Dear CSE Students:

Welcome to the second newsletter of the Spring 2021 semester.

**Message from the UG Advisor:** There are a number of announcements for the CSE undergraduate programs. Please see the first two attached documents for important information about graduation checklist deadlines, summer and fall registration, changes to the class schedule search, and recently announced catalog changes for 2021-2022.

**Message from the Grad Program Assistant:** For TA/RA - Please check your accounts to make sure your tuition waiver has been processed. If it has not been processed by Monday, February 22, please let me know and I will follow up. The **deadline to pay your remaining fees is Friday, February 26.** The Summer 2021 and Fall 2021 schedules are available through the schedule search in OASIS. They may still be subject to change. **Registration for both Summer and Fall starts on March 29.** Graduate students are not required to enroll in the summer and the department is not offering any grad-level classes. However, if you plan to do an internship, please be sure to get the paperwork to me as soon as registration opens. **For PhD Students** - If you are planning to do your major area presentation this semester, please be aware of the following deadlines: 1) You MUST have your committee form submitted to the College by April 23. You will need to have it signed by your committee members and submitted to me by April 20 so that I can get the final signatures. 2) The admission to candidacy form cannot be submitted until after you complete your major area presentation. The form is due to Grad Studies by the last day of the semester (May 6). You should do your presentation and get all the forms signed and submitted to me by **May 3rd at the latest**, so that they can be processed in time.

Please note that the below listing does **not** imply University or Department endorsement:

- Undergraduate Announcements (important!)
- Graduation Checklist and Deadlines
- Federal Work Study Opportunity for programming & Application Development
- Harvard WECODE – Attend the Largest Student-Run Women in Tech Conference
- Overview of UCF graduate programs in EE and CS - Spring 2021 Virtual Grad Day
- Open Research Assistant Positions at Center for Assistive, Rehabilitation & Robotics Technologies
- Full time, Upper School Faculty Members in STEM Opportunity at Ransom Everglades School
- REU Site 2021 Summer program at FIU
- Research Experience for Undergraduates in Data Science at Rice University
- Now Hiring – Assistant for the Department of Operational Technology
- CSGrad4US – Computer and Information Science and Engineering Graduate Fellowships
- Jabil’s Neurodiversities at Work program – Software Development Intern and Data Analyst Intern
- Job Opening at NASA: Computer Engineer, AST Data Systems
- USF Virtual Career Fair March 12, 2021

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
Undergraduate Announcements

Online Walk-in advising: We offer online walk-in advising periods through MS Teams each week day. Walk-ins are a way to address questions more quickly than back-and-forth email exchanges. Scheduled appointments of 30 minutes are also available for students requiring more time or with numerous questions. [https://www.usf.edu/engineering/cse/undergraduate/contacts.aspx](https://www.usf.edu/engineering/cse/undergraduate/contacts.aspx)

Fall 2021 graduates: A Graduation Checklist and checklist review appointment is required and should be completed prior to the deadline of March 26th, 2021. You can begin submitting checklists on March 1st. See the link for details. Those of you graduating in 2022 do not need to complete the checklist until later. [https://www.usf.edu/engineering/cse/undergraduate/graduation.aspx](https://www.usf.edu/engineering/cse/undergraduate/graduation.aspx)

Spring 2021 graduates: the university deadline to apply to graduate was 2/8/ 2021.

Summer and fall registration: Course registration for summer and fall begins March 29th (you should register for both terms). Your registration appointment time, while not currently posted, will be viewable in OASIS prior to the start of registration. Remember that you can create both your summer and fall schedules during the upcoming registration cycle. Please do not wait for your spring grades to create your summer/fall schedules. The summer course offerings are posted. The fall course schedule is also nearly ready and will be available for viewing soon.

Student Schedule Search: Schedule Planner is no longer available. Please use the student schedule search tool. [https://usfonline.admin.usf.edu/pls/prod/bwckschd.p_disp_dyn_sched](https://usfonline.admin.usf.edu/pls/prod/bwckschd.p_disp_dyn_sched)

Catalog Changes: Recently, we sent out notice of changes to the majors for the 2021-2022 catalog. We are scheduling several opportunities for group advising. These group advising events will be an opportunity to discuss the changes with an advisor and to help you understand whether a transition to the new catalog requirements is to your benefit. During these sessions, we will explain the steps necessary to adopt the new catalog and curriculum compared to some of the previous catalog years. A separate announcement about the group advising sessions will be sent soon.
Computer Science and Engineering

GRADUATION CHECKLIST DEADLINES

Fall 2021 graduates: **March 26th, 2021**
Spring 2022 graduates: **October 29th, 2021**
Summer 2022 graduates: **October 29th, 2021**

The Computer Science and Engineering graduation checklist deadlines to graduate in Fall, Spring, and Summer of 2021 are listed above. Note that the Spring 2021 and Summer 2021 application deadlines are the same. This is intentional. Course offerings in summer are typically limited. Students aiming to graduate in summer will need to plan carefully.

**Step 1: Complete and email your graduation checklist prior to the deadline listed above to Undergraduate Program Specialist—Mayra Morfin.** Mayra1@usf.edu

Fall graduation checklists may be submitted beginning March 1st, but no later than the deadline above. Don’t wait until the last minute.

From the Department homepage navigate to Undergraduate → Graduation Application.

https://www.usf.edu/engineering/cse/undergraduate/graduation.aspx

**Step 2: Once you’ve submitted your checklist, schedule a required review appointment with Undergraduate Program Specialist via Archivum—Mayra Morfin.**

It is a student’s responsibility to submit the checklist prior to the deadline. Do not wait until the last minute. Appointment spots will fill as the deadline approaches. You will be given a list of steps to prepare for graduation at the review appointment.

**Step 3: Submit the Oasis application.**

As noted on the checklist, you must still submit your online application for your diploma to the University. There will be link in your OASIS account for this form. The link is usually active one semester before graduation.
Previous employees have gained experience in:

- REDCap databases
- Educational experiment programming
- Python
- Batch-file processing
- End-user support

Some coursework and experience required, but expect to learn as you go by working on real data from Rightpath research projects! Must have a current FWS award.

Supervisor: Dr. Jeff Williams - Rightpath Research and Innovation Center - Children and Family Studies department

For more information about the FEDERAL WORK STUDY position or to apply, please CLICK HERE.
Want to attend the largest student-run Women in Tech conference in the world? Want to build a powerful network of technologists, hear from inspiring women leaders, and network with recruiters from companies like Microsoft, Google, Bloomberg, & Capital One?

Harvard WECode (Women Engineers Code) is an annual (now virtual!) conference held at Harvard University on March 6-7, 2021 for undergraduate women & non-binary students in tech. Last year, WECode hosted 700+ students worldwide to partake in career fairs, workshops, mock interviews, and keynotes.

Why should I attend?

As an attendee, you will have exclusive access to our live AND recorded keynote speeches, workshops, panels, career fair (with sponsors including Jane Street, Capital One, Facebook, Two Sigma, Bloomberg, Google, & more), and a supportive network of women in technology!

Who can attend?

All undergraduate and graduate students (gap year students included)! We do not exclude based on gender. Interested high school students can email us harvardwecode@gmail.com.

Our speakers include:

- Anjana Rajan - CTO @ Polaris
- Ming Yang - Co-Founder & CEO @ Orchard
- Malathi Srinivasan, Clinical Professor of Medicine @Stanford University
- Alix Lacoste - VP of Data Science @ Benevolent AI
- Chelsea C. Williams - Founder & CEO @ College Code
- Genevieve Nielson - CTO @ mRelief
- Saqi Mehta - Global Diversity Recruiting & Early Career Talent @ Cloudera

... and more to come! A list of updating speakers and companies is here.

Please share this with friends & organizations that might be interested. We hope to see you at WECode!
Interested in getting a master’s or a Ph.D.? Don’t miss the UCF College of Engineering and Computer Science’s Graduate Open House Day! Meet college faculty and staff, and learn about new and classic academic programs.

These sessions are designed with you in mind. This is a perfect opportunity to learn about our college and get answers to your most important questions as a prospective graduate student. We want to you leave our virtual open house knowing that UCF and the College of Engineering and Computer Science are a great fit for you.

REGISTER TODAY:

Master’s programs
Tues., March 2, 5:30-7 p.m.

Specialty and new programs
Wed., March 3, 5:30-7:30 p.m.

Doctoral programs
Thurs., March 4, 9:30-11 a.m.

For more information, visit www.cecs.ucf.edu/gradday

TO LEARN MORE ABOUT OUR GRADUATE PROGRAMS:
www.cecs.ucf.edu/graduate-programs-resource-center
Open Research Assistant Position for One Graduate Students and One Undergraduate Student

We are seeking two motivated and hardworking graduate and undergraduate student research assistants from ME or CSE departments to conduct research at the Center for Assistive, Rehabilitation and Robotics Technologies (CARRT) at the University of South Florida. The students will work on a Robotics project that utilizes Brain-Machine Interface (BMI) to control Drones. An interactive graphical user interface (GUI) will also need to be designed for this project.

Requirements:
1- Be a US Citizen.
2- Excellent programming background in Java, Python, C/C++ and C#.
3- The student should be familiar with programming in various OS platforms, including ROS, Linux and preferably Android Studio.
4- Knowledge in signal processing and data analysis.
5- Experience in designing interactive graphical user interfaces (GUI).
6- Preferable experience working with BMI (Emotiv) and Drone control.
7- Preferable experience with Unity.
8- The student needs to have good abilities to work with groups and with other students.

The project is expected to start on March 1st, 2021. The students will be offered a competitive stipend. If you feel that you are a good candidate for this opportunity, please send your CV, statement of purpose, and academic transcript to:
Dr. Redwan Alqasemi at alqasemi@usf.edu
Ransom Everglades School invites applications for full time, upper school faculty members in the STEM Department, beginning in August 2021. The STEM Department (combining Science and Mathematics & Computer Science) represents the school’s commitment to interdisciplinary thinking and to STEM as a core element of the curriculum. Ransom Everglades offers a range of courses in biology, chemistry, and physics, a rigorous math curriculum including Calculus BC w/Differential Equations, and Linear Algebra, along with computer science, data science, engineering, robotics, artificial intelligence, marine science, and other electives. The department seeks candidates to help grow the curriculum, especially in computer science, engineering, robotics, and maker education.

A 40,000 square foot LEED-certified STEM Center opened for the start of the 2020-21 academic year. State-of-the-art labs for life, chemical, and physical sciences, fully equipped workshops for making and engineering, and collaborative workspaces invite experimentation, creativity, and collaboration. With our new STEM Center, Ransom Everglades is further poised to equip students with the skills of modern innovation. Learn more about our STEM center here.

Members of the STEM department contribute to the department’s ongoing discussions about interdisciplinary and experiential learning, research, innovative assessment practices, and best practices in the use of technology in education. Candidates must embrace the school’s value for inquiry-based, student-centered learning and the school’s commitment to diversity, equity, and inclusion. Ransom Everglades expects its faculty members to participate in department meetings, student activities, and otherwise be engaged in the life of the school. Prior independent school teaching experience, and proficiency with Microsoft Teams/OneNote and/or Google Classroom, are preferred. Applicants must have at least a Master’s degree in a STEM field and be comfortable using the Microsoft Suite and G Suite platforms.

While the search committee will entertain applications from candidates of all backgrounds, preferred are those who can enrich interdisciplinary ties within STEM, such as across computer science, robotics, and maker education. Candidates who can contribute experience and expertise in the following areas are especially encouraged to apply:

**Computer Science**: The advent of open source resources such as GitHub and Instructables have given the world new ways to learn and collaborate. RE seeks to develop curriculum in AI and machine learning, app development, web design, data analysis and visualization, and related areas, in addition to scripting code in several languages and design environments. For this area, prior teaching experience in computer science is strongly preferred.

**Engineering**: Experience in any of the following is beneficial: coding, mechatronics, circuitry and programming, design (including CAD) and fabrication capabilities including 3D modeling and printing, and use of machine-shop fabrication equipment.

**Physics**: Ransom Everglades offers an introductory physics course, as well as AP Physics 1, AP Physics 2, and both the electricity & magnetism and mechanics curricula of AP Physics C.

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**Position Start Date: August 2021**

**Location: Miami, Florida**

**FEATURED PROGRAM: Robotics**

To Apply, submit:
- a completed employment application
- a cover letter addressing your interest in teaching in an independent school and fit for Ransom Everglades
- a current CV, and
- unofficial transcripts

To: careers@ransomeverglades.org

An initial round of interviews will take place by video conference. Depending on public health circumstances, finalists either will be invited to campus for an in-person interview and teaching demonstration, or will have a “virtual campus visit,” and will be asked to submit at least three references and/or letters of recommendation. For more information about Ransom Everglades School, see our website: www.ransomeverglades.org

| Total Faculty | 120 |
| STEM Faculty | 43 |
| STEM Courses | 49 |

Sample STEM Electives:
- Data Science
- Algorithms & Data Structures
- Linear Algebra
- Marine Field Research
- The Intelligence Behind AI
- Anatomy & Physiology
- Engineering I and II

Sample STEM Activities:
- Programming Team
- Math Team
- Mu Alpha Theta
- National Science Honor Society
- Bridge Building
- Competitive Math

With the annual participation of more than 50 students, Ransom Everglades Robotics competes in VEX, BattleBots, and RoboSLAM competitions. The team has garnered many accolades, including numerous tournament championships, Create Awards, and Design Awards.

In 2020-21, the Robotics and Engineering programs moved into their new home on the first floor of the Fernandez STEM Center. Workshops are outfitted with lathes, laser cutters, 3D printers, and a plethora of traditional and innovative design and fabrication tools. Ample space is available for robotics arenas. Experimentation, competition, and exhibition are all possible in this new state-of-the-art facility.

Learn more about the Robotics program on our website.
Founded in 1903, Ransom Everglades School is an independent coeducational day school located in the historic bayside neighborhood of Coconut Grove within the City of Miami. Guided by the words of founder Paul C. Ransom, Ransom Everglades School seeks to produce graduates who “believe that they are put into this world not so much for what they can get out of it as for what they can put into it.” Total enrollment is approximately 1130 students in grades 6-12. Ransom Everglades serves a talented and diverse student body that reflects Miami’s status as a center of international business, culture, and the arts. Roughly half of the students come from multicultural backgrounds, and almost thirty different languages are spoken in the homes of our families.

The mission of Ransom Everglades School is to provide an educational environment in which the pursuit of honor, academic excellence, and intellectual growth is complemented by concern for the physical, cultural, and character development of each student. The school provides rigorous college preparation that promotes the student’s sense of identity, community, personal integrity, and values for a productive and satisfying life, and prepares the student to lead and contribute to society.

A Diverse, Inclusive, Equitable Community

Ransom Everglades School is an inclusive community that welcomes and benefits from diverse experiences and perspectives. Our students and faculty embrace multiculturalism and appreciate the unique potential of each individual. During their time at RE, everyone benefits from the contributions of each member, while honing skills and sensitivities that prepare them to excel and lead in a global community.

The commitment to diversity at Ransom Everglades informs our curriculum, community outreach, co-curricular activities and admission process. We implement programs, offer workshops and craft learning opportunities that reflect our core beliefs. Living by this philosophy ensures that our students develop the knowledge, skills and attitudes to be productive global citizens.

Supporting Excellence

All Ransom Everglades faculty members are expected to pursue a continuous program of professional development and engagement, and are supported in doing so by the flexibility and financial generosity of the school and its benefactors, and our membership in the Folio Collaborative. Technology is a vital part of the educational program at Ransom Everglades. Every faculty member and student is issued a stylus-enabled laptop computer. Microsoft 365, including Teams and OneNote, G Suite Enterprise Edition for Education, and the Adobe Creative Suite, as well as subscriptions to a number of other platforms, are provided for all faculty and students. All classrooms are equipped with ViewSonic interactive displays and document cameras.

A competitive compensation is based on the experience and qualifications of the person selected. Ransom Everglades offers a comprehensive benefits package including retirement, health and dental insurance, disability and life insurance, as well as other benefits. Florida has no state or local income taxes.
The Department of Electrical & Computer Engineering (ECE) at Florida International University (FIU) invites undergraduate students to apply its REU Site 2021 Summer program: "Security of Smart Things". The program will run from June 7, 2021 to July 30, 2021 at FIU Campus in Miami, FL.

This is a great opportunity for undergraduate students (sophomores, juniors, non-graduating seniors) to engage in hands-on research activity under the supervision of a faculty mentor or a postdoctoral fellow in the ECE Department throughout the summer. Detailed information about the REU projects are available at:

[https://sst-reu.fiu.edu/projects](https://sst-reu.fiu.edu/projects)

Our site has been running since 2015 and involved 53 students so far with great successes. The program includes weekly seminars/workshops, preparation of a research poster, individual academic career counseling, hands-on training with real equipment, and social activities in the Miami area. Note that depending on the COVID-19 situation, this REU Site will accommodate remote on-line experience for the requesting students.

Each participating undergraduate student will receive an award of $2,400 per month in addition to FIU on-campus housing, meals, materials costs and a travel allowance of $600.

Eligibility Requirements

- Undergraduate students majoring in a science or engineering discipline
- Students must be U.S. Citizen or permanent resident
- Students should have a minimum of 3.25 GPA.

Application Deadline: Feb. 26th, 2021
Application URL:  [https://sst-reu.fiu.edu/application](https://sst-reu.fiu.edu/application)

Selections will be based on a combination of research interests, academic qualifications, and faculty recommendations.

For questions and further info please contact the FIU SST-REU site coordinators:

Dr. Kemal Akkaya: [kakkaya@fiu.edu](mailto:kakkaya@fiu.edu)
Dr. Selcuk Uluagac: [suluguac@fiu.edu](mailto:suluguac@fiu.edu)
Rice University is now accepting applications for a 10-week summer undergraduate research program in the general area of Data Science, generously funded by a gift from Google, LLC.

**Background**

Research Experience for Undergraduates (REU) participants will be assigned to a Rice faculty mentor and will work closely with a Rice PhD student to perform cutting-edge research in Data Science. This could include designing and implementing new machine learning algorithms, applying machine learning algorithms to solve specific problems, or developing methods to manage huge data sets.

**What Is Data Science?**

Data science is the science of extracting actionable knowledge from large and complex data repositories, where “complex” may refer to the modality of the data (images, time series, text, as well as traditional tabular data) or other facets of the data in question (data can be complex because they are geographically distributed, or characterized by the ubiquity of missing or inaccurate values). It has quickly become a critical enabling capability in many different fields: science, healthcare, energy, manufacturing, finance, and many others. Data can be used to train algorithms that are more accurate than experienced doctors in recognizing early-state tumors. It can also be used to predict when it is time to do preventative maintenance on a multi-million dollar machine, before a catastrophic failure. Data can be used to detect fraudulent activity in credit card transactions. Furthermore, it is becoming a core enabler for detecting and preventing cyberattacks. Data science is an interdisciplinary field of study, encompassing sub-areas of computer science, statistics, electrical engineering, and applied mathematics.

**Eligibility**

- Applicants should have completed their sophomore or junior year by the time the program begins. Freshman applicants will not be considered.
- Majors in computer science, statistics, applied mathematics, electrical engineering, or applied/pure mathematics
- Some knowledge of computer programming in a language such as Python or Java is required
- International students must be enrolled at a US university
- Students must have the ability to come to the Rice campus in the event that Summer 2021 research occurs in-person
- Applicants must be available during full-time business hours and possibly occasional weekends if required by the mentor
Will the COVID-19 pandemic affect the program?

It is difficult to say at this time. The program may be virtual, in which case participants will participate remotely. However, we are still hoping to host students this summer at Rice. In case the program will take place in person, participants from outside of Houston will be given $400 to offset the cost of relocating to Houston. Such participants will then either be housed on campus or will be given an additional stipend to offset the cost of housing.

Why come to Rice?

Boasting a 300-acre tree-lined campus in Houston, Rice University is ranked among the nation’s top 20 universities by U.S. News & World Report. Rice has a 6-to-1 undergraduate student-to-faculty ratio. Rice students and faculty discover, create and innovate, rising to challenges and solving real-world problems that make a measurable global impact.

Stipends

- 6000 and accommodation on campus (if circumstances allow)
- 400 travel expenses (if traveling from outside of Houston)

Key Dates

- **Application Deadline:** March 1, 2021
- **Start Date:** May 24, 2021
- **End Date:** July 30, 2021

Questions?

For questions, please contact Beth.Rivera@rice.edu.

How to Apply

Students can apply to the REU Data Science Program at reuapply.rice.edu.

Recommendations from professors and/or mentors who can vouch for the applicant's intellectual strength and personality are required.

In your application materials, please outline:

- **Research interests:** Clearly describe your interests and motivations in data science research and any specific areas in which you are most interested
- **Readiness:** State what you would like to gain from the program
- **Contribution:** Describe the unique perspectives you bring to data science research and how you would contribute to a diverse, equitable, inclusive and impactful community
Now Hiring!

Do you have an interest in the following...

- Mulesoft
- Java
- .NET framework
- Computer Hardware
- Building Web API’s
- Systems Integration
- General Software Development
- Agile
- Controls Systems
- SQL, MSSQL and Oracle

Apply now!

Scan the QR Code or send your resume to Brittany Castellano at bcastell@usf.edu for a chance to learn on the job and get paid!
Hourly Wage: $11.50

Duties:

This position will assist the Operational Technology department with technical support for various building control systems. Seeking a detail-oriented, self-motivated student that will be available for a year or more. This position will interact with customers and other employees on a daily basis and must be able to communicate and listen effectively in order to diagnose issues, assist customers, and work in a team environment.

This position will assist technicians with maintenance and repair of various field electronics, sensors, and devices. The ability to troubleshoot technical issues and solve common problems is necessary.

This position requires a broad background in computer hardware and software, with potential to learn specific control systems. Experience with Microsoft Windows, Microsoft Office, and common productivity software is required. Experience with SQL and common programming languages is preferred.

Average Number of Hours per Week: Hours are flexible, but an average of 20-25 hours per week is required. A valid Florida driver's license is required.

Standard Learning Objectives:

As a result of this position, student will be able to:

- Demonstrate basic employability skills such as: timeliness to work, appropriate dress, interpersonal communication, and time management
- Receive and solicit feedback from supervisor and effectively apply feedback on the job
- Assess workplace and demonstrate how personal talents, skills, and knowledge fit into the employer’s goals, mission, and vision
- Demonstrate his or her professional brand (identity)
- Communicate transferable and functional skills to prospective employers
CSGrad4US

Computer and Information Science and Engineering Graduate Fellowships

WHY BECOME A FELLOW?

The Computer and Information Science and Engineering (CISE) Graduate Fellowships (CSGrad4US) aim to increase the number of diverse, domestic graduate students pursuing research and innovation careers in the CISE fields: computer science, computer engineering, or information science. In particular, CSGrad4US provides an opportunity for bachelor’s degree holders who may be working in industry or other sectors to return to academia and pursue research-based doctoral degrees. In its inaugural year, a diverse cohort of 70 CSGrad4US Fellows will be selected based on their demonstrated interest and potential in pursuing a Ph.D. degree in a CISE field.

The benefits of CSGrad4US Fellowships are:

- A year-long preparation program, in which individuals selected for the Fellowship will receive mentored support in identifying a graduate program, finding a research mentor, and applying to graduate programs; during this year, the individuals will also have opportunities to form a network with one another and with faculty advisors;
- For those who enroll in an accredited doctoral degree-granting program at an institution of higher education having a campus located in the United States, its territories or possessions, or the Commonwealth of Puerto Rico, an annual stipend of $34,000 for three years out of five; and
- Cost-of-education allowance of $12,000 per year for the three years noted above to the institution of higher education.

WHO IS ELIGIBLE?

CSGrad4US Fellowship applicants must meet the following eligibility criteria:

- Be a U.S. citizen, national, or permanent resident;
- Intend to apply for full-time enrollment in a research-based doctoral degree program in a CISE field no later than Fall 2023;
- Have graduated with a bachelor’s degree in a CISE field between July 1, 2016, and June 31, 2019;
- Not be enrolled in a master’s or doctoral degree-granting program for a CISE discipline at the time of the application (other than a professional master’s degree program); and
- Have never previously accepted a NSF Graduate Research Fellowship.

See the CSGrad4US Dear Colleague Letter for full eligibility requirements. NSF seeks candidates from a broad array of backgrounds and strongly encourages women, African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, Native Pacific Islanders, and persons with disabilities to apply.
HOW TO APPLY

- Read the CSGrad4US Dear Colleague Letter for a full description of eligibility and application requirements.

- Go to Research.gov and register for an account. After entering your full name, email address, and primary phone number, you will receive a nine- (9-) digit NSF ID that you will need to submit your application.

- Prepare the four application document PDFs:
  
  - **csgrad4us-form-[your 9-digit NSF ID].pdf**: CSGrad4US Application Form, including the names of at least one reference letter writer. Applicants should separately request their reference letter writers to email letters directly to NSF at csgrad4us-ref@nsf.gov by 5:00 p.m. Eastern Time on May 4, 2021.
  
  - **statements-[your 9-digit NSF ID].pdf**: Two candidate statements, totaling 5 pages:
    
    - Personal statement describing relevant background experience
    
    - Personal statement addressing underrepresentation in CISE disciplines
  
  - **resume-[your 9-digit NSF ID].pdf**: Two- (2-) page resume
  
  - **transcript-[your 9-digit NSF ID].pdf**: All academic transcripts

- Attach all application documents in one email to csgrad4us-app@nsf.gov with your full name and NSF ID as the subject line.

Please contact csgrad4us@nsf.gov with any questions about the application process.

PROCESS AND TIMELINE

**Application Deadline:** 5:00 p.m. submitter’s local time on April 13, 2021

**Reference Letter Deadline:** 5:00 p.m. Eastern Time on May 4, 2021

**Notification of Selection:** Summer 2021

**Mentored Preparation Program Start Date:** Fall 2021

**Mentored Preparation Program End Date:** Summer 2022

**Applicants Enroll in Doctoral Degree-Granting Programs:** Fall 2022-Fall 2023
JOB SUMMARY: SOFTWARE DEVELOPMENT
Intern will assist the department or project manager in providing support to that area. In addition, they may be assigned specific projects either as part of, or in addition to, the day-to-day activities related to the assignment. The internship will be a part of Jabil’s Neurodiversities at Work program.

NEURODIVERSITIES AT WORK PROGRAM SUMMARY
Jabil’s Neurodiversities at Work program is designed for talent identifying as neurodivergent, which is commonly defined as brain functions that diverge from societal standards of “typical.” Common neurodivergent conditions include, but are not limited to, autism, attention deficit and hyperactivity disorder (ADHD), dyslexia, dyscalculia, dyspraxia and Tourette syndrome. With a unique hiring, assimilation and development process, the program seeks to leverage the unique strengths of individuals and increase the diversity of thought at Jabil.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Carryout to completion specific projects assigned by the Project or Department Manager.
- Flexible work schedule given potential deadlines
- Adhere to all safety and health rules and regulations associated with this position and as directed by supervisor.
- Comply and follow all procedures within the company security policy.
- Write programs that involve formatted output and basic reporting
- Prepare technical specifications and test plans
- Develop/maintain computer programs to store, locate, and retrieve specific documents, data and information
- Devise sample input data to test accuracy of program
- Resolve questions of program intent, input data acquisition, time sharing, output requirements, coding use and modification, and inclusion of internal checks/code reviews for system integrity
- Observe or runs test of program using sample or actual data, assist in user acceptance training
- Participate in roll out and on time delivery of developed applications
- Maintain and develop documentation for responsible area. Prepare and provide status updates of assigned project plans and schedules
- Organize verbal and written ideas clearly, using appropriate business style
- Offer new ideas and suggestions for improvement. Identify and implement new practices and processes that are “best in field”
- Participate in team stand ups, meetings and brainstorming activities
- Work on teams with business/functional stakeholders to help make data-driven decisions
- May perform other duties and responsibilities as assigned
KNOWLEDGE REQUIREMENTS (Performed with or without reasonable accommodations):

- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.
- Advanced PC skills, including training and knowledge of Jabil’s software packages.
- Ability to complete quality work on time while managing multiple priorities/projects.
- Ability to work independently or as a part of a team, with capacity to serve as a leader.
- Familiar with client-side presentation technologies, including but not limited to HTML5, CSS3 / Bootstrap.
- Familiar with front-end technologies, including but not limited to JavaScript, Angular, etc.
- Familiar with server-side technologies, including but not limited to ASP.NET Core, .NET Core, C#, Node.js.
- Familiar with Data Access, including but not limited to Entity Framework Core, ADO.NET, LINQ to ADO.NET.
- Ability to design data test scenarios and de-bug problems.
- Familiar with SQL and NoSQL Databases.
- Familiar with Source Control (Git on Azure DevOps).
- Familiar with DevOps integration using Azure DevOps a plus.
- Familiar with agile development methodology a plus.
- Familiar with developing software solutions leveraging Test Driven Development (TDD) a plus.
- Exposure to services on AWS and Azure a plus.
- Ability to communicate technical concepts to stakeholders that may not be technical.

EDUCATION & EXPERIENCE REQUIREMENTS

- Student entering their junior or senior year of college/university, with a track in Computer Science or Information Systems and a strong academic record.

Apply at: [Software Development IT intern](#)
JOB SUMMARY: DATA ANALYST
Intern will assist the department or project manager in providing support to that area. In addition, they may be assigned specific projects either as part of, or in addition to, the day-to-day activities related to the assignment. The internship will be a part of Jabil’s Neurodiversities at Work program.

NEURODIVERSITIES AT WORK PROGRAM SUMMARY
Jabil’s Neurodiversities at Work program is designed for talent identifying as neurodivergent, which is commonly defined as brain functions that diverge from societal standards of “typical.” Common neurodivergent conditions include, but are not limited to, autism, attention deficit and hyperactivity disorder (ADHD), dyslexia, dyscalculia, dyspraxia and Tourette syndrome. With a unique hiring, assimilation and development process, the program seeks to leverage the unique strengths of individuals and increase the diversity of thought at Jabil.

ESSENTIAL DUTIES AND RESPONSIBILITIES
- Carryout to completion specific projects assigned by the Project or Department Manager.
- Flexible work schedule given potential deadlines
- Adhere to all safety and health rules and regulations associated with this position and as directed by supervisor.
- Comply and follow all procedures within the company security policy.
- Manage datasets, including creation, updates, and deletion
- Support initiatives for data mining, and data cleansing
- Support initiatives for data integrity and normalization
- Analyze, design, and develop data model
- Analyze, design, develop, release, and maintain reports according to requirements
- Analyze data using Statistical Analysis
- Managing and designing the reporting environment, including data sources, security, and metadata
- Participate in team stand ups, meetings and brainstorming activities
- Work on teams with business/functional stakeholders to help make data driven decisions
- Summarize data findings and share insights
- May perform other duties and responsibilities as assigned

KNOWLEDGE REQUIREMENTS (Performed with our without reasonable accommodations):
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.
- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Advanced PC skills, including training and knowledge of Jabil’s software packages.
- Ability to deal with standardized situations with only occasional or no variables.
- Familiar with Business Intelligence software (e.g. Power BI, Tableu, SRSS, etc.)
• Familiar with data sources/format (e.g. SQL/No-SQL Databases, Excel, CSV, JSON, SharePoint, etc.)
• Familiar with data processing (e.g. join, filter, aggregation, cleansing, etc.)
• Familiar with ETL tools (e.g. AWS glue, python, etc.)
• Provide basic Statistical Analysis (Excel, PowerBI, etc.)
• Familiar with source code management (e.g. GIT)
• Exposure to services on AWS and Azure a plus
• Ability to communicate technical concepts to stakeholders that may not be technical

EDUCATION & EXPERIENCE REQUIREMENTS

• Students entering their junior or senior year of college/university, with a track in Computer Science or Information Systems and a strong academic record

Apply at: Data Analyst IT intern
Responsibilities

Serve as a telemetry engineer in the Ground Systems Integration Branch of the Launch Services Program (LSP) located at NASA Kennedy Space Center, Florida. Works with the NASA Rocket Scientist to turn commercial launch vehicle data/telemetry into engineering units to provide insight and oversight for LSP missions.

Provide design, development, modification, debugging and implementation support of telemetry processing systems at Launch Service Program data stations.

Interface with launch service providers and other NASA organizations to coordinate solutions to customer requirements for data review and analysis.

Work with system administrators on IT Security to ensure solutions continue to comply with federal laws, regulations, policies and standards.

Learn launch vehicle telemetry systems including Atlas V, Delta IV, Falcon 9, Pegasus, and Antares.

Conditions of Employment

This position is open to U.S. citizens, nationals or those who owe allegiance to the U.S.

Position subject to pre-employment background investigation.

You must meet qualifications requirements by the closing date of this announcement.

Position subject to a pre-employment drug test.

A one-year trial period may be required.

This is a term appointment not to exceed 2 years (may be extended up to 6 years).

Qualifications

In addition to the basic education requirement (shown below), you must have one year of specialized experience equivalent to the next lower grade, which has equipped you with the particular competencies needed to successfully perform the duties of the position described above.

To check if you qualify for GS-07, click here.
March 12, 2021 Virtual Career Fair

**When:** Friday, March 12, 2021 from 12:00 p.m. to 4:00 p.m.

**Where:** Online in Handshake, using the virtual career fair platform.

**Who:** All USF students and alumni from across all campuses and majors.

**Why:** You're searching for a full-time, part-time, internship, Co-op, or seasonal position!

**Register:** Free for students and alumni. Register starting on Monday, February 22.

Virtual Job search with the Career Center
[https://docs.google.com/document/d/1Gj6gbjWiyt2B_IQOFMh4TEW-hASHAKvRIuFYabQGB6M/edit](https://docs.google.com/document/d/1Gj6gbjWiyt2B_IQOFMh4TEW-hASHAKvRIuFYabQGB6M/edit)

Career Search Steps: [https://docs.google.com/document/d/1Gj6gbjWiyt2B_IQOFMh4TEW-hASHAKvRIuFYabQGB6M/edit](https://docs.google.com/document/d/1Gj6gbjWiyt2B_IQOFMh4TEW-hASHAKvRIuFYabQGB6M/edit)