Dear CSE Students:

Welcome to the third newsletter of the Fall 2021 semester.

**Message from the UG Advisor:** Spring 2022 graduates—graduation checklists are due by the deadline of October 29th. Do not wait until the last minute to submit your checklist. Summer 2022 graduates—if you need CIS 4250, CIS 4253 and/or CIS 4935, plan for them in spring rather than summer. Please meet with a CSE advisor to review your plan and to qualify for permits for any of these three courses. Spring registration begins on November 1st. View your assigned registration date and time in OASIS. It is important that you register on time. Remember that both scheduled appointments and walk-in advising options are available. See the CSE website for details.

**Message from the Grad Program Assistant:** Hello all, the Fall semester is halfway over, and Spring registration is right around the corner. Please see below for important deadlines. **October 30** - Fall last day to withdraw; no refund & no academic penalty. **November 1** - Registration opens for Spring 22. Please check OASIS for your time ticket and to make sure you don't have any holds. Please see the PDF for more information on holds. **November 24** - Deadline for PhD students to submit the committee form if they plan to present their major area paper this semester. This is the College deadline, so please get them to me at least a day or two earlier. **December 9** - The deadline to submit the admission to candidacy form. This is the Grad Studies deadline, so please know that you must do your major area presentation, complete all the paperwork, and submit it all to me at least a few days prior, so that I have time to process it. You must be admitted into candidacy before you can take dissertation hours and you must complete the major area presentation before you can apply for candidacy. All admission to candidacy forms submitted by the deadline will be processed, so that students can begin taking dissertation the following semester. **December 20 - December 31** - Winter Break; USF Offices Closed.

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

- Graduation Checklist Deadlines
- Message From Grad Program Assistant
- 2022 Winter Mini-Semester with Brookhaven National Laboratory
- Technical Support Engineer with Green Hills Software LLC
- FAFSA Reminder
- Devworkshop – Learn to Build on Blockchain
- Multiple REU Position with Dr. Zheng’s Research Group
- Henter Software Development Project – Software for the Blind
- Wells Fargo Technology Full-time Associate Program
- Process Workflow Automation Developer – Internship
- Student Assistant Position (OPS)
- TechTogether – Redefine the Hacker Stereotype
- Job Opportunity for Current or Former Students: CRM Analyst

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
GRADUATION CHECKLIST DEADLINES

Spring 2022 graduates: October 29, 2021
Summer 2022 graduates: March 25, 2022
Fall 2022 graduates: March 25, 2022

The Computer Science and Engineering graduation checklist deadlines for graduation in academic year 2022-23 are listed above. Note that the Summer 2022 and Fall 2022 application deadlines are the same. This is intentional. Courses are not always available. Course availability in summer varies. Summer graduates needing CIS 4250, CIS 4253, or CIS 4935 should plan to take them in spring. Department sign-off of the graduation checklist is not a statement that all courses listed will be available.

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

Spring graduation checklists may be submitted beginning October 1, 2021. Summer and Fall graduation checklists may be submitted beginning March 1, 2022, 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.
Hello all,

Please be sure to check the Academic Calendar for important dates/deadlines. [https://www.usf.edu/registrar/calendars/index.aspx](https://www.usf.edu/registrar/calendars/index.aspx)

Registration for Spring 2022 starts on November 1. Your actual registration time may vary. Please check your account in OASIS now to see your registration status and time ticket. If you have any of the following holds, you will need to follow the instructions below to have them removed.

**International Student Insurance Hold (SI)** - All international students studying at USF are required to have adequate health insurance coverage at all times. You must submit the Student Health Insurance Agreement before the semester begins; if you fail to submit the form, you will have a registration hold on your account and not be able to sign up for classes. This will need to be done every semester. [SHS | Insurance Compliance (usf.edu)](https://www.usf.edu/)

**Graduate Studies Hold (GS)** - You need to take the Responsible Conduct of Research (RCR) course. This should only need to be done once by new PhD students. You should have received an email from Graduate Studies with details. If you have this hold, you will need to complete the course before you can register for classes. [https://www.usf.edu/graduate-studies/research/responsible-conduct-of-research.aspx](https://www.usf.edu/graduate-studies/research/responsible-conduct-of-research.aspx)

**Missing Academic Credentials (AR)** - You need to submit your official transcripts to Graduate Admissions. You should have also recently received an email about this. If you did send the transcripts and you still have this hold, please forward me a copy of your confirmation email and/or receipt of delivery and I will follow up. [https://www.usf.edu/admissions/graduate/next-steps/submit-transcripts.aspx](https://www.usf.edu/admissions/graduate/next-steps/submit-transcripts.aspx)

**Cashier's Office (CA)** - There is a balance on your account, and you will need to pay it before you can register. [https://www.usf.edu/business-finance/controller/student-services/cashiers/](https://www.usf.edu/business-finance/controller/student-services/cashiers/)

I cannot remove these holds for you. You must follow the steps outlined in the links, but if you have any issues/questions, please let me know.

Best,

Jessica Pruitt
Subject: 2022 Winter Mini-Semester

Brookhaven National Laboratory (BNL), Office of Educational Programs (OEP) seeks applicants for the Workforce Development for Teachers and Scientists (WDTS) Mini-Semester Program. Selected students are invited to participate in a five-day in person program (pending approval of onsite programs) developed to introduce participants to BNL’s science.

Please note the 2022 Mini-Semester is being planned to be hosted onsite, however, due to the COVID 19 restrictions, it may be virtual. We will inform all accepted students the manner in which we will conduct the program prior to the start date. Your commitment and flexibility is greatly appreciated.

Housing, Transportation and Food: (Pending approval of onsite programs)

BNL will make housing and travel reservations for accepted candidates. Only lunch will be provided, other meals will the responsibility of the selected students.

Program:

Will run Monday to Friday from 8:30 a.m. - 5:00 p.m.

Full time commitment is required.

- The program format will include:
  - Classroom instruction in scientific computing
  - Tours of research facilities
  - Interviews with scientists and engineers
  - Scientific lectures
  - Safety overviews
  - Group oral presentations
- Selected students will be introduced to the wide range of research projects conducted at BNL
- Students will understand different pathways to scientific careers,
- Students will develop networking opportunities with the BNL scientific community and Laboratory administrators.
- Selected students into the 2022 Mini-Semester will be required to complete a WDTS DOE internship application for summer 2022.

Eligibility:

- This program is designed for underrepresented minorities in STEM.
  - underrepresented minorities include Women, Hispanics, African Americans, and Indigenous people
  - http://energy.gov/articles/introducing-minorities-energy-initiative
- Applicants must be U.S. citizens or legal permanent residents
- Enrolled full time at their college/university
- Majoring in a STEM discipline
- A minimum GPA of 3.0 is required.

2022 Winter Mini-Semester
Date: January 3 – January 7, 2022
Application Deadline: November 19, 2021
Application Link: https://surveys.external.bnl.gov/n/WDTSMiniSemesterApplication.aspx
TECHNICAL SUPPORT ENGINEER  (PALM HARBOR, FL)

Green Hills Software LLC is looking for a technical support engineer for our Palm Harbor office for Safety and Security Critical Products (SSCP). A tech support engineer works closely with our customers to investigate and solve complex technical problems. Our customers are highly skilled embedded software development firms with unique and challenging problems that demand expert solutions, so we can’t read from a script. You will be working with the most advanced real time operating system and development tools to assist our customers with their application development. If you thrive on troubleshooting software problems, enjoy learning about new technology, and want to jump in and save customers in desperate need of a hero, this is the job for you!

JOB RESPONSIBILITIES/DUTIES:

- Monitor support requests and answer in a timely manner
- Investigate customer reported issues
- Work with various engineering groups to help determine and resolve customer reported issues
- Communicate problem resolutions with customers

JOB REQUIREMENTS AND QUALIFICATIONS:

- U.S. Citizen (due to U.S. government contract requirements)
- College Senior working towards or a recent college graduate who possess a BS in CS, CE, EE, or Math
- GPA of 3.0 or greater
- Strong programming skills in C/C++
- Strong written and verbal communication skills to succinctly explain complex technical concepts to experts from other technical domains
- An understanding of the concepts of real-time operating systems
- An understanding of compilers, assemblers, linkers, and debuggers and their role in developing embedded software
- Ability to quickly diagnose technical problems with limited information

ADDITIONAL HELPFUL SKILLS AND EXPERIENCE:

- Experience with UNIX and with scripting languages, Python, Perl, and Shell a plus
- Previous experience with embedded systems and real time operating systems
- An understanding of networking concepts and their role in software systems
- Experience interacting with customers in a support role

TO APPLY:

Please email your resume to fljobs@ghs.com
The 2022–2023 Free Application for Federal Student Aid (FAFSA) form is here!

Submit your 2022-2023 FAFSA Application Today

What you will need:
- Student FSA ID (fsaid.gov)
- 2020 Tax Returns, if applicable
- Social Security Number
- Additional Income Information
- State Issued Driver's License

Apply today at studentaid.gov/h/apply-for-aid/fafsa
Interested in learning how to build on the blockchain? Then you should definitely learn Reach! The only prerequisite is that you know some Javascript and be eager to learn.

Reach is the fastest, safest, and easiest way to build blockchain applications. As the gateway for all blockchain development, no matter what protocol you choose, Reach provides the tools for a dapp to be built in a matter of hours or days instead of weeks or months. When junior developers are comfortable building blockchain applications, decentralized applications will become mainstream.

Come to this workshop and expand your capabilities in building blockchain applications quickly. The goal is to bring more developers into the blockchain world, and provide the resources to become effective in building Web3.0 dapps.

Multiple REU positions are available in Dr. Zheng’s research group for this summer. In these positions, students will gain experiences about advanced research in system verification and validation, electronic design automation, and hardware design for emerging applications. REU students will participate in different research projects and work with PhD students. To know more details about Dr. Zheng’s research, please visit www.cse.usf.edu/~haozheng.

Interested students need to have strong academic records, and have necessary capacity of doing research beyond their regular school work. The appointment for each position is 10 hours/week, $10/hour.

Students who are interested in these positions send their resumes to Dr Zheng at haozheng@usf.edu.

Interested students need to have an open-minded about pursuing future graduate study to apply for these positions.

Descriptions of some positions are given below.

1. **Probabilistic system modeling and verification.** In this position, the student will participate a formal verification project for analyzing stochastic systems. The student will learn basic concepts of formal verification of stochastic models such as discrete and continuous time Markov chains (DTMC, CTMC), help to develop methods of extracting crucial information from those models to facilitate more efficient CTMC counter-example generation and stochastic simulation algorithms. For this position, the student is expected to be comfortable with first order logic and automata theory, and to have strong capability in C++/Java/Python programming and algorithm background. US citizenship is required.

2. **Specification mining using machine learning.** In this position, the student will be involved in research of using data mining methods to extract patterns from execution traces of parallel/distributed systems. The student will learn basic concepts of sequential pattern mining and constraint solving, and will help to develop methods and implement them into software to automatically extract sequential patterns from long and complex execution traces. The student will assist developing graphical visualization in order to present mined patterns in an easily understandable manner by human users. For this position, the student is expected to have strong programming skills in Python and algorithm background.

3. **System-on-chip design.** In this position, the student will participate a hardware development project to develop a sophisticated system-on-chip design. The student will learn to use a commercial tool or an open-source tool to create a design that integrates multiple components communicating over standard on-chip communication networks. For this position, the student is expected to have knowledge of using Verilog or VHDL and strong background in logic design and computer architecture.
4. **Robust machine learning.** In this position, the student will learn the robustness issues of modern machine learning methods, and approaches for evaluating or improving machine learning robustness. The student will assist a research project on robust machine learning by setting up a set of ML models and some well-known ML attack methods, and by repeating some ML attacks described in previous papers. *The student is expected to have strong programming capability in Python/C++ and algorithm background. Knowledge in machine learning or deep learning is desirable.*
Notice: I am looking for a person or persons that could help me on a smart phone software project focused on blind users.

I have 40 years of experience in this space, software for blind people, and I am blind myself. But I have not done a whole lot with smart phones, yet. You can Google “Ted Henter Jaws” for some background. For purposes of this newsletter I have been advised to respond to the following questions:

- Title of the position with a job description/listed duties: Starting position will be "programmer" or "developer", eventually the right person will be the CTO.

- Job description: investigate existing screen readers, VoiceOver and/or TalkBack, to see if we can #1 modify the code to do what I am looking for, and/or #2 create an "app" that can "call" or "perform" functions in those screen readers to utilize what is already there but using a modified keyboard layout. Of course, smart phones do not have keyboards, thus you just touch the item you want, like pressing a keyboard key. That is simple if you can see, but very inconvenient if you cannot. Those functions or choices are not always in the same place, they move around, making it tough for a blind person.

- Hours: Part-time, work remotely, flexible.

- rate of pay:
  
  - Negotiable. I intend to pay $10,000 for the initial investigation into the feasibility of this project, if the progress is satisfactory then more funds will be available. When I find the right person he or she will be vested in stock ownership in the company and the product.

Our goal is to produce a product that makes smart phones easier to use for blind people, sell it, and make money. One of my previous companies employed 70 people and sold for millions of dollars.

If you are interested let me know, I'll provide an NDA you can sign and then more details on this project will be provided. A patent has been applied for and a company has been formed.

I have already been working on this idea with others, but it was not going the way I wanted so that project has been canceled. Thus I have plenty of documentation on how the resulting software should look and perform.

Contact information:

tedhenter@gmail.com
I'm Leroy Clarke, member of the Wells Fargo Talent Acquisition team. I'm currently recruiting College Seniors (December 2021 and May/June 2022 graduates) majoring in Computer Science and Computer Engineering for the Wells Fargo Technology Full-time Associate Program. If students are interested in full-time opportunities within Technology at Wells Fargo, please have them e-mail their resume directly to Leroy.Clarke@wellsfargo.com.

To learn more about the 2022 Wells Fargo Technology Full-time Associate Program, please visit: https://www.wellsfargojobs.com/technology-earlycareers/

**NOTE: The deadline for students to contact me directly is Friday, October 22nd**
OnTask is a SaaS platform designed to increase operations efficiency and boost productivity by solving common problems that require the Creation, Routing, Review & Approval of documents and forms. We have all been on either the receiving or requesting end of this type of email message "...download the attached file, print it, sign it, scan it, and then email it back to me." We all think the same thing, there has to be a better way. OnTask is the better way. Due to increased market demand for the platform, the OnTask team is now hiring interns for key roles.

**JOB SUMMARY:**

The ideal candidate for this role will become an expert OnTask user, develop in-depth understanding of customer use cases, and build OnTask workflow automation solutions for use by customers.

This role is integral to the OnTask product development team and will require working in close contact with customer success, engineering, marketing, product management and operations. Expect to work in rapid development iterations, based on Agile principles.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Become an expert power user of the OnTask platform.
- Generate workflow requirements documents with functional and non-functional requirements for reference during development.
- Document requirements as needed with user stories, flowcharts, sequence diagrams, and visualizations for process definition.
- Build workflows based on requirements and execute established testing and acceptance steps to ensure process workflows meet defined requirements.
- Publish workflows for use by customers.
- Produce written and video content describing the process of developing each workflow and the problems it addresses for users.
- Update documentation to reflect new workflows and changes to existing workflows.
- Support marketing activities as needed. Develop OnTask video and written content for marketing to existing customers.

**QUALIFICATIONS:**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
EDUCATION AND/OR EXPERIENCE:

Junior level pursuing Bachelor's degree in Computer Science, Information Technology or related field. Applicants with non-technical degrees will also be considered if they possess strong technical aptitude and practical computing skills.

REQUIRED SKILLS:

- Strong logic and computing skills, programming skills are a plus, but not required.
- Proven ability to work closely with other team members to solve problems
- Solid oral & written communication skills: group presentation skills, meeting participation, writes clearly and informatively, varies writing style to meet needs, presents data effectively
- Professionalism - respectful, tactful, accepts responsibility for actions Dependable
- Able to handle changes in direction/priority well
- Detail-oriented with strong research and analytical skills.
- Demonstrated team-focused qualities and self-sufficiency.
- Proven ability to work as a member of a team to meet critical deadlines.

TRAVEL: No travel required.

CULTURE and PERKS:

Founded in 1991, Accusoft brings together an extremely talented, intelligent group of people to solve challenges and work together on some of the most sophisticated imaging technology in the world. We surround ourselves with creative and innovative thinkers who care about what they create and want to be part of the solution.

Some other unique things about us...

- Great work-life balance
- Flexible work-from-home offered
- Discounts off food provided by local restaurant vendors
- Monthly Birthday Celebrations
- And a Social Committee dedicated to coordinating fun virtual activities for the team

ACCUSOFT CORPORATION is an Equal Opportunity Employer/Drug-Free Workplace. All applicants will be considered for employment without attention to race, color, religion, age, sex, sexual orientation, gender identity, genetics, national origin, veteran or disability status.
Student assistant position (OPS)

Estimated hour: 14-20 hours per week

Hourly rate: $16-20 per hour

We are looking for a skilled web developer to join our team of innovative designers who are consistently raising the bar on creativity and user experiences. The ideal candidate is a motivated person with extensive technical expertise who can work alongside a team and independently in the creation, maintenance, and updates of websites/web-based applications for various projects. Proficiency in JavaScript, HTML, CSS, PHP, and other web services and program applications is essential to succeeding in this role. If you are interested in the advertised position, please send your resume to Dr. Chanyoung Lee (leec@usf.edu).

- Experience planning and developing websites across multiple products and organizations
- Proficiency with content management systems, including WordPress
- Experience working with and managing Windows and/or Linux Server environments
- Working knowledge of web services such as APIs and REST approaches
- Working knowledge of developing web applications using common languages like CSS, HTML5, JavaScript, or PHP
- Dedication to innovative, sophisticated designs and collaborative problem solving
- Experience with web user interface design (UI)
ARE YOU READY TO REDEFINE THE HACKER STEREOTYPE?

1. Win over $3k in prizes!! First-time hackers, we give out prizes for just showing up!

2. Access to over 30+ technical and professional development workshops for hackers of all skill levels.

3. Connect with early-talent recruiters at notable companies like Capital One and Robinhood at our career fair!

4. Build a project and develop and grow your professional skill-sets. Worried about getting stuck? Don't worry we offer 24-hour access to mentorship.

Come to hack or just come to learn at TechTogether Miami, February 11-13th, 2022
Learn more and register: bit.ly/TTM-hack
Job Opportunity for Current or Former Students: CRM Analyst

FLSA Status: Salary (Exempt), Full-time  
Supervisor: IT Director  
Supervises: None  

Essential Functions  
• Analyze and understand the company’s data structure and business processes in order to continue to effectively develop the Dynamics365 CRM Solution  
• Develop and manage form customizations, business process and workflows to support business needs  
• Becoming aware of trends and recent developments in order to actively recommend ways our business can leverage the capabilities of Dynamics365 and Power Platform  
• Query Dynamics365 database to analyze business questions, provide advanced reporting and analytics, to provide input for the leadership team’s daily and strategic decision making  
• Produce effective visuals using Dynamics365 Dashboards and Charts  
• Develop processes to enforce data integrity within the Dynamics365 system  
• Monitor support request queue and route to the appropriate member of the IT Team  
• Troubleshoot failed workflows/processes to determine root cause and work with IT Team to determine best solution  
• Work with all members of the IT department to provide technical support to all end users.  
• Communicate with internal departments and external stakeholders nonprofit partners, clients, insurance carriers, TPAs, brokers, and program participants to support operational efforts  
• Other responsibilities or duties as assigned  

Requirements  
• Knowledge or experience with Dynamics 365 Customer Engagement  
• Strong working knowledge of Microsoft Excel and related data and reporting tools  
• Strong written and verbal communication skills with attention to detail  
• Inquisitive and continuous learner  
• Working knowledge of business functions (operations, marketing, finance)  
• Strong service-oriented and problem-solving attitude  
• Utmost integrity and confidentiality with sensitive technical requests  

Required Education and Experience  
• 1+ year of technical support experience  
• 1+ years of experience with Dynamics 365 Customer Engagement  
• Continued education of the newest features under the Dynamics365/Power Platform umbrella  

Preferred Education and Experience  
• 4-year technical Bachelor’s degree  
• Applicable technical or Microsoft certifications  

https://recruiting.paylocity.com/recruiting/jobs/Details/742495/Reemployability-Inc/CRM-Analyst