Dear CSE Students:

Welcome to the third newsletter of the Spring 2021 semester.

**Message from the UG Advisor:** Fall 2021 graduates: A Graduation Checklist and checklist review appointment is required and should be completed prior to the deadline of March 26th, 2021. Course registration for summer and fall begins March 29th. You can register for both terms. Registration appointment times are viewable in OASIS. Schedule Planner is no longer available. Please use the student schedule search tool, https://usfonline.admin.usf.edu/pls/bwckschd.p_disp_dyn_sched

Online walk-in advising periods through MS Teams (not Archivum) are available M-F.

**Message from the Grad Program Assistant:** Fall and Summer registration starts on March 29. Please check your OASIS account now for your status and time ticket. If you have any holds, they will need to be removed before you can register. The SI and IM holds are removed by Student Health Services. Please see the website for details https://www.usf.edu/student-affairs/student-health-services/holds/

The Summer 2021 and Fall 2021 schedules are available through the schedule search in OASIS. Graduate students are not required to enroll in 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.

PhD Students - If you are planning to do your major area presentation this semester, please be aware of the following deadlines: You MUST have your committee form submitted to me by April 20. 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. 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.

Students who plan to graduate in Summer 2021 or Fall 2021, please make sure to check your OASIS to be sure you do not need to transfer any courses and that you do not have any "M" or "I" grades. You also need to you turn in a FINAL plan of work before the semester starts and be sure to register for any remaining requirements to complete your degree. For thesis students, your committee form needs to be submitted the semester before you plan to graduate.

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

- Robotic Process Automation Bootcamp @ USF
- Cybersecurity Internship Opportunity with DISYS
- WiCyS Emergency Fund for Students with Financial Barriers
- Software Engineering Internship at Workday
- TuffyHacks Hackathon (March 27-28) Beginner-Friendly
- Summer Undergrad Research Experience in Advanced Secured Sensor Enabling Technologies
- Summer Undergrad Research Experience in Smart & Connected Communities
- Hack Your Motivation – Suggestions to Help With Your Motivation

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
A BOT FOR EVERY BULL 
BOOTCAMP @ USF

Robotic Process Automation (RPA) is the #1 strategic technology trend for 2020 and the fastest-growing enterprise technology worldwide. RPA allows organizations to use software robots to perform specific tasks in an automated way. It uses a combination of integrations, advanced technologies, and cognitive processes.

Examples of what RPA robots can automate:
- Log into any application
- Connect to system APIs
- Scrape data from the web
- Read and write to databases
- Move files and folders
- Extract content from PDF, emails, and forms
- Make calculations
- Open emails and attachments

Why you should care about RPA:
- RPA is the largest investment and focus area for enterprise buyers, eclipsing Cloud.
- By 2022, half of the tasks are projected to be performed by robots.
- The average company has 900+ business processes, 85% of these have automation potential.
- COVID pushed the adoption of automation to help organizations build resilience.
- Recruiters in the tech space, have seen a very noticeable rise in demand for RPA specialists.
- Research shows one third of jobs could be automated by the mid-2030s.

RPA Bootcamp details:

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<thead>
<tr>
<th>Bootcamp Prerequisites:</th>
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<tbody>
<tr>
<td>Learning Plan</td>
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<td>RPA Developer Foundation</td>
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<td><a href="https://www.uipath.com/">https://www.uipath.com/</a> rpa/academy</td>
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Learn more about RPA and the Bootcamp in our virtual session
Friday March 26th - 11:00am - 12:30pm
Place: Microsoft Teams

Bootcamp Overview
Friday May 14th - 1:00pm - 5:00pm
- Overview of Uipath Developer Studio
- Introduction to Advanced ReFramework

Saturday May 15th - 9:00am - 12:00pm
- Instructor Led Automation — Instructor will share screen and build the automation step by step where students can follow along.

An educational event brought to you by:

JOLT ADVANTAGE GROUP

Following the successful completion of this bootcamp, attendees will have the opportunity to apply for 5 internship spots at JOLT with potential to transition to full time employment.
Interested in securing a position immediately after graduation in the high-demand cybersecurity field?

Gain applicable experience and earn money while you complete your degree.

Flowers Bakeries is looking to expand their cybersecurity team in order to eliminate backlog and develop cybersecurity specialists. Permanent positions may be available following graduation for individuals who successfully complete six months of full-time work.

Who should apply?

Candidates will work part-time as Junior Cybersecurity Analysts to accommodate their school schedule. This position is available through DISYS, a partner of Flowers Bakeries for a rate of up to $18/hour.

We are looking for students who are:

- Majoring in Cybersecurity
- Located in the Tallahassee Area
- Available to work 10–20 hours per week on a regular basis
- Interested in working in the Security Department

Job duties may include:

- Responding to email inquiries regarding campus Cybersecurity issues and respond to basic alerts
- Organizing online or offline document libraries
- Developing documentation
- Assisting with policy development and creating outlines
- Completing research related to Cybersecurity
- Entering I.T. / Service Desk tickets
- Assisting with system improvements
- Completing network maintenance
- Providing security awareness training
- Conducting penetration testing
- Participating in system audits
- Students familiar with programming languages like Python or C can automate tasks
- Other duties as assigned

Applications are being considered immediately.

To apply, please send your resume and availability to Cyberapprentice@disys.com
Greetings!

We’re reaching out on behalf of the SEO Tech Developer, a new paid summer program for Black, Latinx, and Native American sophomores majoring in computer science, computer engineering, and related STEM fields.

The SEO Tech Developer is an immersion program designed to help sophomore students level up their programming and interview skills to increase their opportunity to land roles at leading tech companies. Participants will have the opportunity to learn from a curriculum developed and delivered by tech professionals, while gaining coaching and mentorship from professionals at leading companies like Wayfair, Take 2 Interactive, and Workday.

**Program Benefits**

- Individual and group projects providing hands-on experiential training
- Six-week virtual summer intensive residency, along with four-week part-time training sessions in the spring and fall
- A $1,000 weekly stipend during the summer session and $1,000 during the month of June to help defray expenses
- Soft-skills training including communication, networking workshops, navigating through work culture, and interview preparation catered to tech industry internships
- Top-notch mentoring from partner companies, access to internship opportunities, and more
- The support of SEO, a not-for-profit organization founded in 1963 with a proven track record of helping underrepresented students gain access to and succeed in highly competitive fields

The deadline to apply is March 31, 2021.

Could you please pass this email along to your student networks? Students can learn more about the opportunity on our [website](#), and if interested, apply directly there or by [clicking here](#).

We look forward to hearing from your students!

SEO Tech Developer Team
New Fund to Invest in Women in Cybersecurity Careers

WiCyS Cyber Talent Emergency Fund Helps Students Overcome Short-term Financial Barriers to Educational Progress

The Last Mile Education Fund and Women in CyberSecurity (WiCyS) announced today the WiCyS Cyber Talent Emergency Fund, a collaboration to provide agile financial support for women students pursuing cybersecurity careers who are experiencing urgent, short-term financial barriers to success.

See the complete announcement for eligibility and application details.
Software Engineering Internship at Workday

CodePath and Fortune 500 Company, Workday, are excited to launch a hands-on, immersive, 10-week paid summer internship program for eligible sophomores who want a career in software engineering! Students will be hired by CodePath as interns and gain skills in web development and technical work experience. During the program, students will also participate in team meetings, workshops and be paired with industry mentors at Workday, a leading provider of enterprise cloud applications for finance and human resources.

We would love to get this opportunity in front of your students, would you be able to share this with them?

Application Link: www.codepath.org/workday

Program details:

- 10-week paid work and learning internship program for sophomores (class of 2023)

- Students will be introduced to full-stack web development, including database, back-end code, front-end code, testing, design and deployment via classroom instruction

- Students will be paired with professional mentors at Workday and meet on a weekly basis

- Students will create and present a capstone project during the second half of the course

- Participation in team meetings and workshops, with TAs available for support

- Program dates: June 7 - August 13, 2021

- Hours: 8 am - 4 pm PT, Monday thru Friday

- Compensation: $8,800 total

Internships are one of the best ways for students to develop software proficiency and break into the technology industry. Students who complete and perform well in the SITE program may receive offers from Workday for full-fledged technical internships during the summer of their junior year.

Application Deadline: March 24, 2021
CSU Fullerton's First Virtual Hackathon

TUFFYHACKS

code meets camp

MARCH 27 - 28 2021

@TUFFYHACKS
TUFFYHACKS.COM
We are thrilled to announce that we are hosting Cal State Fullerton's first student-run hackathon, TuffyHacks !!!

What is TuffyHacks?

- **TuffyHacks** is a beginner-friendly hackathon with resources facilitated for participants of any experience from any major to create innovative projects! Your project also has chances to win some of our cool prizes!!

When and where?

- This year, our hackathon will be held virtually on March 27 - 28th for 24 hours, meaning you can participate from the comfort of your own home!

Who can attend?

- Anyone enrolled in College or High school with any major!! You don't need any experience in coding. You will be provided with guidance from our talented mentors. You only need a laptop/computer and the enthusiasm to learn.

Does it cost anything?

- No, it's totally free!!

What can you create?

- Absolutely anything you want -- websites, apps, UI, you name it!

How do I apply?

- tuffyhacks.com

Come learn new topics with recorded workshops ranging from open-source software to creating your own DiscordBot. Meet our sponsors at their networking events as well.

Follow us on Social Media:

- Instagram: TuffyHacks Instagram
- Twitter: TuffyHacks Twitter

Question??

- Feel free to email us at tuffyhacks@gmail.com or visit us at tuffyhacks.com for more information.

Thank you,

TuffyHacks Team
Surf the wave with ASSET Research! The research projects during the summer program will be centered on the theme of Advanced Secured Sensor Enabling Technologies (ASSET). Students will improve the understanding of the nature of research practice and scientific reasoning and learn the process of conducting research and hands-on knowledge of applied and basic research.

**SUMMER PROGRAM DATES**
Early Action: March 5, 2021
Regular Deadline: Apr 15, 2021
Research: May 28-Aug 4, 2021

**SUMMER LOCATION**
Due to Covid-19, the program will be 100% online.

**INTERESTED IN APPLYING?**
To learn more about the program please visit [http://it2.fiu.edu/IT2_REU.php](http://it2.fiu.edu/IT2_REU.php)

**Work with faculty in the following research areas:**
- Security & Privacy
- Sensor Networks
- Advanced Secure Sensor Enabling Technologies

**Why REU at FIU?**
- Stipend of $6000
- Work with world-renowned faculty
- Acquire Research Skills
- Publish Peer-Reviewed technical papers
- Improve oral and written comprehension and communication of technical knowledge
- Spark an interest in continuing relevant research in graduate.
- Collegial partnership experience with faculty and peers

**Activities include:**
- Training on Research Skills
- Technical and Professional Seminars
- Faculty and Peer Mentoring
- How to apply and success in Grad school

**Social events may include:**
- Online gatherings
- Online games
- Virtual scavenger hunt

**Education Eligibility:**
Applicants must be U.S. Citizens, U.S. Nationals, or permanent residents of the United States.

For More Information: nsfdodreu@gmail.com
For individual projects please contact faculty mentors listed at [http://it2.fiu.edu/IT2_REU_people.php](http://it2.fiu.edu/IT2_REU_people.php)
Recruiting 10 motivated undergraduate students to conduct research in the area of Smart & Connected Communities (S&CC) for 10 weeks over the summer of 2021

Research overview
The main research theme of this opportunity is in the emerging area of Smart & Connected Communities (S&CC), the essential building blocks of smart cities. Here are few example applications:

- Development of models, mechanisms and tools for smart human-environment interactions and protection of smart infrastructure.
- Data collection and analysis to promote health and well-being of citizens in urban settings.
- Novel scheduling and monitoring methods for intelligent transportation systems.

Benefits:
✓ Learn how to conduct research.
✓ Gain hands-on experience in robots, sensors, data collection and analysis, simulation experiments, and intelligent applications.
✓ Participate in various activities (e.g., seminars, tutorials, picnics, etc.).
✓ Learn how to write research papers and present your work.
✓ Visit nearby hi-tech companies (e.g., IBM, Google).

Other benefits include:
- $6000 stipend
- Travel support (up to $600)
- Housing and meals included

Must be a U.S. citizen or a permanent resident

Important dates:
Application due........Feb 28, 2021
Notification..............Mar 19, 2021
Program starts.........May 31, 2021
Program ends...........Aug 6, 2021

For more information and to apply:
http://reuscc.wp.txstate.edu/
A Success and Wellness Coach can work with you and offer suggestions to help you with motivation.

Here are things that can steal your motivation.

Goals based on others.

We fear we are lacking in areas and cannot live up to our or others’ expectations. We spend time doing things because we “ought” or “should.”

Goals based on fear.

We feel threats around us and think about ways to avoid them. These can include a health scare or even the threat of rejection.

Lack of clarity.

It’s great that you want to make a change, but sometimes it’s hard to know the best place to start. Lack of clear goals can sap motivation.

Goals not aligned with your values.

Think about your goals. Do you smile or feel energized by them? Or do you get nervous, breathe faster and feel uptight? Choosing goals that align with your values are easier to achieve and tend to be more sustainable.
A coach might help you with your motivation by asking you to think about the following:

Explore “why am I doing this?” Are you making changes for others or for the joy and the good feeling it gives you?

Stay in the moment. Most of the things we worry about don’t actually happen. Think of all the productive time you will have by focusing on the things you can manage.

Picture what you want. Close your eyes and really envision it. Then start with one or two small steps that will contribute to that vision. Choose goals in YOUR best interest.

Think about times that you felt powerful, energized and confident. Most likely you were living according to your values. Make a list of things that are most important to you and write a list of the things you do each day. Compare the lists. This is a great way to start thinking about creating a pathway to becoming your best self.

We perform better when we’re doing something that we truly want to do -- something that gives joy and a feeling of accomplishment.