Dear CSE Students:

Welcome to the second newsletter of the Fall 2017 semester.

Message from the UG Advisor:
The autumnal equinox occurs September 22\textsuperscript{nd} which means the fall semester is well underway. Don’t let all the pumpkin spice products distract you from some important upcoming deadlines. For those of you planning to graduate in spring, the CSE departmental graduation application deadline is Friday, October 27\textsuperscript{th}. See the CSE website for details. The last day to withdraw is October 28\textsuperscript{th}. You are welcome to come in for advising if you think you will have to withdraw from a class. Registration for spring will begin at the end of October. Schedule advising during the next few weeks to avoid the rush during registration.

Message from the Grad Program Assistant:
If you are graduating this semester, please do not forget to submit your Graduation Checklist and Plan of Work as soon as possible. If you have any questions, please come see me and I will walk you through the process.
For TAs/RAs: Once your Tuition Waiver is applied, the deadline to pay your fees is October 13.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):
- Research - Undergraduate and Graduate Research Opportunity at USF
- Event - Research and Learning Opportunities in CSE
- Event - Verizon DevOps Day Event
- Full Time Internship - Accenture
- Job - Paid PhD Position Available at USF
- Contest - JP Morgan Chase & Co Code For Good Challenge
- Contest - Wells Fargo Campus Analytics Challenge
- Puzzle of the Month

Regards,

Professor and Associate Chair of UG Affairs
Undergraduate and Graduate Research Opportunities

Dr. Shaun Canavan is actively seeking highly motivated undergraduate and graduate students to conduct research in computer vision with a focus on statistical modeling and machine learning (see research topics below). Requirements include a strong mathematical background especially in Linear Algebra, strong programming skills preferably in C++ (although other languages may be considered), and a background in computer vision is preferred though not required. The most important attribute is a strong desire to learn while performing state of the art research to solve challenging problems and help change the world.

Research Topics:

1. 3D/4D feature detection and tracking
2. 3D sketch recognition
3. Face recognition
4. Face expression analysis
5. Automatic Autism Spectrum Disorder classification
6. Sign language recognition
7. Affective computing

Interested students should contact Dr. Shaun Canavan through email at scanavan@usf.edu. Include current CV/resume, 1-2 relevant publications if available, research interests, and detail any computer vision experience.

**FUNDING AVAILABLE FOR QUALIFIED GRADUATE STUDENTS**
Research and Learning Opportunities in CSE

Friday, October 13, 2017
2:00PM – 3:30PM
CUTR 202

Please join us in this event to learn more about:

- Our PhD and Masters Programs
- The importance and benefits of attending Graduate School
- Assistantship opportunities within the Department while earning a graduate degree
- Opportunities to get involved in research projects as an undergraduate
- Research areas in the department
- Q&A session and time to talk to our faculty
DevOps Day
September 28

What’s DevOps and how are we doing it at Verizon?
Join the movement!
Learn from industry experts and peers.

Thursday, September 28th
7701 East Telecom Parkway
Temple Terrace, FL, Atrium
Event: 8:00 AM – 5 PM ET

devops | verizon
build more awesome
Internship or entry level full time at Accenture.

Deadline is end of September 2017

Full-Time Qualifications:

- Qualified students will be in their final year of study or have graduated in the last two years. They must meet all our qualifications for full-time hiring (including appropriate work authorization, strong academic performance, demonstrated leadership capacity in extracurricular activities, excellent time management skills and well-roundedness via part-time work, and an interest and understanding of Accenture’s business).
- Graduation Dates: US & Canada Undergraduates – by August 2018 or prior grad.

Summer Analyst (Intern) Qualifications:

- Qualified students from non-visiting schools will typically be in their junior year of study and must meet all our full-time hiring qualifications.
- Graduation Dates: US & Canada Undergraduates – December 2018 to June 2019*
- GPA 3.0+

Interested applicants please contact Mr. Juan Echeverry for more information.

JUAN F. ECHEVERRY
Managing Director | Accenture
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Ph.D. student in Cryptographic Engineering

This is an urgent call for interested applicants. A funded Ph.D. student position is available starting January 2018 (all documents submitted by Sep. 15th, 2017 for International students and a month later for domestic students) to work on different aspects of Cryptographic Engineering in the CSE department at USF.

The required expertise includes:

- Masters (or Bachelors with outstanding background) in Computer Engineering or Electrical Engineering
- Solid background in digital design, VLSI, computer arithmetic, and ASIC/FPGA implementations
- Solid HDL expertise
- Outstanding English (if English tests are taken) to be eligible for department funding
- Motivation to work beyond the expectations from an average Ph.D. student and publish in top tier venues

Please closely observe the admission requirement details here before emailing:

http://www.usf.edu/engineering/cse/graduate/phd-program.aspx

We are looking for motivated, talented, and hardworking applicants who have background and are interested in working on different aspects of Cryptographic Engineering with emphasis on:

- Cryptographic hardware systems
- Side-channel attacks, particularly fault and power analysis attacks

Please send me your updated CV (including list of publications, language test marks, and references), transcripts for B.Sc. (and/or M.Sc.), and a statement of interest at mehran2@usf.edu as soon as possible.

NOTE: At this time, I consider only the applicants who have already taken TOEFL/IELTS and GRE exams with excellent marks. The successful candidate will be asked to apply formally very soon to the USF CSE department, so all the material has to be ready.

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Website: http://www.csee.usf.edu/~mehran2/
JPMorgan Chase Code for Good challenge:

WHAT: At our event, you will use your coding skills to solve real-world problems for non-profit organizations and network with other aspiring technologists from around the country.

Join us for one weekend. Work alongside our tech experts. Meet our recruiting teams and experience what it’s like to work as a technologist at JPMorgan Chase.

HOW:
Apply now at jpmorgan.com/codeforgood
Contact ACM if you'd like to carpool or join a team with us!

WHEN: Application Deadline:
Tampa, FL (Oct 20-21) September 15, 2017

LINKS:
Questions? Email: code.for.good@jpmorgan.com

Your career. Your way. jpmorganchase.com/techcareers
Wells Fargo: Campus Analytics Challenge

Wells Fargo Campus Analytics Challenge - What can you build better with us?

In today's ever-changing technology environment, customers prefer quick and seamless interactions with their financial institute. Senior leaders at Wells Fargo are looking for a new product, service, or application (the "Solution") that will improve the overall customer experience ("Business Objective"). Based on your analysis of the data, what recommendations do you have for senior leaders at Wells Fargo?

About the Wells Fargo campus challenge:
- Students must analyse the data set provided in the link to suggest product ideas
- Wells Fargo is giving out $11,000 to the Top 7 performers of this challenge
- Top performers will be invited to attend the Wells Fargo Analytics summit in San Francisco in March 2018
- They are also interested in recruiting students through this challenge (previous solvers have been recruited by Wells Fargo!)

Entrants must be currently enrolled in a higher education degree program in the U.S. See Challenge Rules for full eligibility requirements.
Here is a little word puzzle for those of you interested in a challenge.

You are given the following partially filled grid:

![Partial Grid](image)

Your mission is to fill the rest of the puzzle under the following rules.

1) The words used must come from the Harper-Collins Official English International word list known as CSW 15. That is the International Scrabble competition English wordlist. You can check the existence or validity of a word at [https://www.collinsdictionary.com/scrabble/scrabble-word-finder/](https://www.collinsdictionary.com/scrabble/scrabble-word-finder/) or you can use [https://www.anagrammer.com/](https://www.anagrammer.com/)

2) The words must be spelled from left to right and top to bottom.

3) Words can only be used once (no repeating words in the puzzle)

Oh, by the way, there is ONLY 1 solution. Can you find it?

Good Luck!