Lauren Hastings

CONTACT
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SKILLS
C/C++, Java, Python, JavaScript, Ruby, Lua, PHP, Perl, Bash, MIPS Assembly, LaTeX, HTML, CSS, Sass, Git, SVN, Unix/Linux & Windows usage, Chef, Vagrant, OpenCV, MediaWiki, Agile methodologies, object-oriented, functional & multi-threaded programming

EDUCATION

University of Central Florida, Orlando FL — **August 2014 to August 2018**
B.S. in Computational Mathematics — **GPA**: 3.73/4.0
- **Provost Scholar**: Full-tuition merit scholarship awarded to less than 10% of Honors freshmen
- **Current courses**: Computational Theory, Statistical Theory I, Linear Algebra
- **Completed courses**: Computer Architecture, Graph Theory (Spring 2016), Algorithms & Data Structures II, Computer Logic & Organization (Fall 2015), Algorithms & Data Structures I, Object Oriented Programming, Discrete Mathematics, Statistics I (Spring 2015), C Programming, Technical Writing & Presentation, Engineering Leadership (Fall 2014)

EXPERIENCE

University of Central Florida- Intelligent Systems Lab, Orlando FL
Undergraduate Research Assistant — **August 2016 to May 2017**
- Assisting a PhD student to develop observational machine learning models of ADHD teen driving
- Currently integrating monitoring of new variables into traffic simulator using C++ and OpenGL
- Collaborating with researchers at Drexel University and The Children's Hospital of Philadelphia

Apple, Cupertino CA
Apple TV Systems QA Automation Intern — **May to August 2016**
- Developed a Python & JavaScript framework performing user-scenario tests of AirPlay
- Verified media playback in music & video tests using Python OpenCV to analyze screen motion
- Integrated media validation component as endpoint in Raspberry Pi Ruby Puma server

Intel, Chandler AZ
Design Automation Intern — **May to August 2015**
- Developed a tool extracting and analyzing metadata in pre-silicon validation regression test logs to identify and report run-time issues to team's web dashboard; used Perl, PHP & SQL
- Upgraded, configured and deployed internal continuous integration tool; led consultations on use

University of Central Florida- Information Security Office, Orlando FL
Security Intern — **January to May 2015**
- Conducted both client-side web and social engineering penetration tests of infrastructure
- Built proof-of-concept project demonstrating Chef provisioning of LAMP stacks on Linux & Windows virtual machines to assess usefulness for IT department

MITRE, Tampa FL
Software Application Developer Intern — **June to December 2014**
- Designed, developed, and authored content for front-end of ASP.NET website educating employees on company STEM outreach; used HTML, CSS, JavaScript & jQuery

TEACHING & MENTORSHIP

University of Central Florida- Center for Initiatives in STEM, Orlando FL
COMPASS Mentor — **August to December 2016**
- Provide support to 6 STEM-interested freshmen in academics, college transition and major exploration; COMPASS program to increase talent retention in STEM disciplines at UCF

University of Central Florida- College of Engineering & Computer Science, Orlando FL
Undergraduate Teaching Assistant — **August 2015 to May 2016**
- Provided tutoring & graded assignments for 200-student introductory C programming class