Lauren Hastings

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Languages & Technologies

Proficient: Java, C, Python, JavaScript, HTML, CSS, Git, using Linux/Unix & Windows, Agile methodologies
Experience with: C++, Ruby, Lua, PHP, Perl, Bash, MIPS Assembly, Chef, Vagrant, OpenCV, Sass, LaTeX, MediaWiki, SVN

Education

University of Central Florida, Orlando FL — **August 2014 to August 2018**
B.S. in Computational Mathematics, Minor in Computer Science — **GPA: 3.73**
- **Provost Scholar**: Attending on a full-tuition merit scholarship awarded to less than 10% of admitted Honors freshmen
- **Current Courses**: Computational Theory, Statistical Theory I, Linear Algebra
- **Completed Courses**: Algorithms & Data Structures I & II, Object Oriented Programming, C Programming, Computer Logic & Organization, Computer Architecture, Discrete Mathematics, Introduction to Graph Theory, Statistical Methods I, Engineering Leadership, Technical Writing & Presentation

Experience

Research Assistant — **University of Central Florida- Intelligent Systems Lab** — **August 2016 to Present**
- Assisting a PhD student in developing models of ADHD teen driving from observational machine learning; C++
- Project in collaboration with Drexel University and The Children's Hospital of Philadelphia

Software Engineering Intern — **Apple**, Cupertino CA — **May 2016 to August 2016**
- Developed a Python and JavaScript framework performing end-to-end user-scenario tests of iOS AirPlay to Apple TV
- Triaged bugs from automated tests; found hard-to-reproduce, long-term-usage bugs not caught by manual QA
- Developed a solution for verifying media playback in tests using Python OpenCV to analyze motion in video capture
- Integrated media playback validation tool as endpoint in Raspberry Pi Ruby Puma server for scalable testing

Design Automation Intern — **Intel**, Chandler AZ — **May 2015 to August 2015**
- Developed tools supporting pre-silicon validation Linux test environment; worked with Perl, PHP, SQL, MediaWiki
- Developed Perl tool extracting and analyzing metadata in regression test logs to identify unusually long-running tests
- Tool led to the isolation of problem tests and a 20% decrease in overall test time
- Upgraded, configured and deployed internal continuous integration tool; led consultations on use to remote teams

Security Intern — **University of Central Florida** — **January 2015 to May 2015**
- Conducted both client-side web and social engineering penetration tests of university infrastructure
- Built proof-of-concept demonstrating Chef server provisioning of LAMP stacks on Linux & Windows virtual machines

Software Developer Intern — **MITRE**, Tampa FL — **June 2014 to December 2014**
STEM Programs Website — *August 2014 to December 2014*
- Designed, developed, and authored content for front-end of internal ASP.NET website educating employees on company STEM outreach initiatives; used HTML, CSS, JavaScript & jQuery; developed in Agile iterations
Air Force Portfolio Division Blueprint Wiki — *June 2014 to August 2014*
- Redesigned default wiki UI with HTML, CSS & JavaScript; programmed Lua modules to replace WikiText templates

Leadership

COMPASS Mentor — **University of Central Florida** — **August 2016 to Present**
- Co-mentor 6 STEM-interested, undecided freshmen in major/career exploration and college life adjustment culminating in mentees declaring majors; COMPASS program designed to increase STEM retention rates at UCF

Teaching Assistant — **University of Central Florida** — **August 2015 to May 2016**
- Held tutoring hours and graded programming assignments for 200-student introductory C programming class