

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 that uses 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 for use in validation team decisions
- Tool led to the identification of unusually long-running 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