

Lauren Hastings

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Experience

Research Assistant	University of Central Florida- Intelligent Systems Lab, Orlando FL	August 2016-Present
<ul style="list-style-type: none">Assisting a PhD student in developing models of ADHD teen driving from observational machine learning; using C++ & SVNProject in collaboration with Drexel University and The Children's Hospital of Philadelphia		
Software Engineering Intern, QA	Apple Inc., Cupertino CA	May 2016-August 2016
<ul style="list-style-type: none">Developed a Python and JavaScript framework to perform end-to-end user-scenario tests of iOS device AirPlay to Apple TVTriaged bugs from automated tests; found hard-to-reproduce, long-term-usage bugs not caught by manual QADeveloped a solution for verifying Apple TV media playback that uses Python OpenCV to analyze motion in video captureIntegrated media playback validation tool as endpoint in Raspberry Pi Ruby Puma server for scalable testing		
Design Automation Intern	Intel Corp., Chandler AZ	May 2015-August 2015
<ul style="list-style-type: none">Programmed Perl scripts to automate manual processes in team's pre-silicon validation Linux test environmentDeveloped a Perl tool extracting, analyzing, and reporting metadata from regression test logs for use in validation team decisions; led to the isolation of unusually long-running tests and a 20% decrease in test timeModified team planning MediaWiki dashboard with PHP & JavaScript to better display test resultsUpgraded, configured and deployed internal continuous integration tool; led consultations on tool use to remote teams		
Security Intern	University of Central Florida- Information Security Office, Orlando FL	January 2015-May 2015
<ul style="list-style-type: none">Conducted both client-side web and social engineering penetration tests of university infrastructureWorking with fellow interns, participated in weekly team-building CTF practices focusing on web application securityBuilt proof-of-concept project demonstrating Chef server provisioning of LAMP stacks on Linux & Windows virtual machinesAuthored an internal paper assessing the use of Chef for central IT consideration		
Software Application Developer Intern	MITRE Corp., Tampa FL	June 2014-December 2014
<ul style="list-style-type: none">Designed and developed front-end of internal ASP.NET website educating employees on company STEM outreach initiativesUsed HTML, CSS, JavaScript and jQuery; developed in Agile iterations		

Education

University of Central Florida	Orlando FL	August 2014-August 2018
B.S. in Computational Mathematics, Minor in Computer Science		GPA: 3.73
<ul style="list-style-type: none">Attending on a full-tuition merit scholarship awarded to less than 10% of admitted Honors freshmenCurrent Courses: Computational Theory, Statistical Theory I, Linear AlgebraCompleted Courses: Algorithms & Data Structures, Object Oriented Programming, C Programming, Computer Logic & Organization, Computer Architecture, Discrete Mathematics, Introduction to Graph Theory, Statistical Methods I, Engineering Leadership, Technical Writing & Presentation		

Leadership

COMPASS Mentor	University of Central Florida- Center for Initiatives in STEM, Orlando FL	August 2016-Present
<ul style="list-style-type: none">Co-mentor 6 undecided, STEM interested freshmen in major & career exploration culminating in mentees choosing a major		
Teaching Assistant	University of Central Florida, Orlando FL	August 2015-May 2016
<ul style="list-style-type: none">Held tutoring hours and graded programming assignments for 200-student introductory C programming class		

Languages & Technologies

Proficient: C, Java, Python, JavaScript, Object-oriented & functional programming, Agile methodologies

Experience with: C++, Lua, Ruby, Perl, PHP, Django, Node.js, MIPS Assembly, OpenCV, Sass, Chef, Vagrant, MediaWiki, LaTeX, SQL