Lauren Hastings

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Experience

Apple, Inc.   **Cupertino, CA**
TV Systems QA Automation Intern   *May 2016–August 2016*
- Developed a Python framework for automated end-user scenario testing of iOS device AirPlay to Apple TV
- Developed a general-purpose Python library to validate media playback through audio and video detection; supports video validation via OpenCV image comparsion, OpenCV web-cam motion detection, or Raspberry Pi color sensor analysis
- Working cross-team, integrated media playback validation tool as endpoint in existing Raspberry Pi Ruby server project

Intel   **Chandler, AZ**
Design Automation Intern   *May 2015–August 2015*
- Programmed Perl automation and tool extension scripts to streamline team's pre-silicon validation Linux environment
- Developed Perl tool extracting regression test time, errors, and warnings for individual tests from logs for validation team use, led to the isolation of unusually long-running tests and a 20% decrease in test time
- Developed a PHP dashboard using JGraph to visualize regression test results on team documentation MediaWiki instance
- Upgraded, configured, and provided support for internal CAD tools; led cross-team consultations on tool use

University of Central Florida   **Orlando, FL**
Security Intern   *January 2015–May 2015*
- Conducted both client-side web and social engineering penetration tests of university infrastructure
- Working with fellow interns, participated in weekly team-building CTF practices focusing on web application security
- Built proof-of-concept project demonstrating Chef server provisioning of LAMP stacks on Windows and Linux virtual machines, authored an internal paper assessing the use of Chef and Vagrant for IT department consideration

MITRE Corp.   **Tampa, FL**
Software Developer Intern   *June 2014–December 2014*
- Designed and developed internal ASP.NET website aimed to increase volunteer involvement by educating employees on STEM outreach initiatives, used HTML, CSS and JavaScript, worked cross-team with managers to author site content
- Provided administrative support for Intern Program SharePoint, implemented workflows aggregating program metrics from list data and automating information retreival and notification tasks in intern hiring process
- Redesigned documentation Wiki UI using HTML, CSS and JavaScript implemented as MediaWiki Skin, replaced WikiText templates with simplified Lua modules and programmed Python scripts automating document processing and uploads

Education

University of Central Florida   **Orlando, FL**
B.S. in Compuational Applied Mathematics, Minor in Computer Science, GPA: 3.73   *August 2015–May 2018*
- *Attending on a full-tuition merit scholarship awarded to less than 10% of admitted Honors College freshmen*
- **Courses:** C Programming, Algorithms & Data Structures, Computer Logic & Organization, Computer Architecture, Discrete Mathematics, Introduction to Graph Theory, Technical Writing & Presentation, Engineering Leadership

Industry Training: Python Programming, x86 Architecture (MITRE), Open Verification Methodology (Intel)

Leadership

University of Central Florida   **Orlando, FL**
COMPASS Mentor   *August 2016–December 2016*
- Co-mentor 8 undecided, STEM-interested freshmen in subject & career exploration culminating in choosing a major; COMPASS program designed to increase talent-retention in STEM majors at UCF

Teaching Assistant   *August 2015–May 2016*
- Held weekly tutoring hours and graded programming assignments for 200-student introductory C Programming class

Skills & Technologies

Proficient: C, Java, Python, JavaScript, HTML & CSS, Git, Unix/Linux, object-oriented & functional programming, Agile
Experience with: Perl, Lua, PHP, C#, Ruby, MIPS Assembly, OpenCV, Sass, Chef, Vagrant, MediaWiki, SharePoint, LaTeX