LAUREN HASTINGS

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EDUCATION

University of Central Florida, Orlando FL — **August 2014 to December 2018**
B.S. in Computational Mathematics, Minor: Computer Science — *GPA:* 3.7/4.0
- *Selected coursework:* Algorithms & Data Structures, Compilers, Computer Architecture, Computational Theory, Discrete Mathematics, Graph Theory, Statistical Methods & Theory, Linear Algebra
- *Organizations:* Burnett Honors College, National Center for Women in Information Technology Community

INTERNSHIPS

Apple Inc., Cupertino CA
Software Engineer Intern, Network Media — **August to December 2017**
Software Engineer Intern, Systems Quality Assurance — **May to August 2016**
- Developed a Python and JavaScript framework performing user-scenario tests of iOS AirPlay to Apple TV.
- Developed a Python utility that uses OpenCV to detect video stalls in media tests.
- Brought team's AirPlay test coverage from a few scripts to a full suite of scheduled, automated tests.

Intel Corp., Chandler AZ
Design Automation Engineer Intern — **May to August 2015**
- Developed a Perl application that analyzes pre-silicon validation regression test metadata to identify anomalous behaviors; led to the identification of unusually long-running tests and a 20% decrease in test time.
- Programmed upgrades, configured, and deployed internal Perl continuous integration tool used by 50+ engineers.

University of Central Florida- Information Security Office, Orlando FL
Security Intern — **January to May 2015**
- Conducted web application and social engineering penetration tests of university infrastructure. Conducted malware risk assessments. Used Python to program custom tools. Worked with Chef and Vagrant for IT dept.

MITRE Corp., Tampa FL
Software Developer Intern — **June to December 2014**
- Developed internal website using HTML, CSS and JavaScript educating employees on STEM outreach.
- Developed extensions for internal research knowledge wikis using HTML, CSS, JavaScript, PHP, and Lua.

RESEARCH

University of Ilmenau, University of Technology, Ilmenau Germany
Research Intern, Artificial Intelligence — **June to July 2017**
- Continuing research and development of a C++ dynamic children's storytelling system.

University of Central Florida- Intelligent Systems Lab, Orlando FL
Undergraduate Research Assistant — **August 2016 to Present**
- Assisting a PhD student to generate models of driving to analyze differences between ADHD and non-ADHD driving. Working with genetic programming and context-based reasoning. Collaborating with Drexel University.
- Worked on: C++ physics simulator, OpenGL driving visualization, and Python statistical analysis and graphing.

LEADERSHIP

GitHub
Campus Expert — **April 2017 to Present**
- Participating in a remote leadership development providing resources to enrich STEM at UCF.

University of Central Florida
Honors Scholars Mentor, Burnett Honors College — **August 2015 to Present**
- Mentor freshmen scholarship recipients transitioning to college. Teach internship-search and networking skills.

COMPASS Mentor, Initiatives in STEM Office — **August to December 2016**
- Mentored STEM-interested freshmen with undecided majors to help retain talent in STEM disciplines.

Undergraduate Teaching Assistant — **August 2015 to May 2016**
- Held tutoring hours and graded programming assignments for 200-student introductory C programming class.

PROJECTS

- **UCF Intelligent Systems Lab Websites (2017)**: Lab website redesign using Jekyll, HTML, CSS and JavaScript.
- **PL/0 Compiler (2017)**: Implemented virtual machine, lexical analyzer, parser, and error-recovery system.

AWARDS

- **GHC Scholar, Anita Borg Institute (2015)**: Travel grant to attend Grace Hopper conference (26% acceptance).
- **Provost Scholar, UCF (2014)**: Full-tuition merit scholarship awarded to less than 10% of admitted freshmen.

SKILLS

C/C++, Java, Python, JavaScript, HTML, CSS, Git, SVN, Unix/Linux use, LaTeX