

REBECCA RASHKIN, E.I.

Computer Engineering Ph.D. Student

Third year computer engineering Ph.D. student at University of California, Santa Cruz seeking summer internship.

ACADEMIA

Ph.D. Student Researcher - Santa Cruz, CA
[School of Engineering, University of California - Santa Cruz](#)

SEPTEMBER 2014 - PRESENT

- Designed multi-threaded mobile application using native **Android** API
- Interfaced with wearable **Bluetooth** low energy heart rate monitor
- Investigating link between **heart rate variability** (HRV) and stress
- Designing user study to test how HRV is affected by audio

Graduate Teaching Assistant - Santa Cruz, CA
[School of Engineering, University of California - Santa Cruz](#)

JANUARY 2015 - PRESENT

- Effectively addressed student challenges concerning computer architecture, **Verilog** programming, and schematic **FPGA** design
- Lead instruction of (30+) diverse students in active learning environment through exciting lessons and lively discussion

INDUSTRY

Electrical Engineer I - Jacksonville, Florida
[Logistic Services International \(LSI\)](#)

JANUARY 2012 - JUNE 2014

- Designed electrical system upgrades for aircraft simulators
- Troubleshoot video, power, I/O, and networking issues
- Engaged customers during corporate events and field installations
- Designed and presented AutoCAD workshop to engineering team

PROJECTS

Environmental Control System Parts Task Trainer (AH-64) - LSI
Lead Hardware Engineer

AUGUST 2013 - JUNE 2014

- Analyzed existing electrical system and PLC ladder logic
- Designed electrical system upgrade, specified new components
- Prepared and presented electrical design to US Army representative
- Managed drawing package and technical documentation

Black Hawk Maintenance Trainer (UH-60M) - LSI

MARCH 2013 - JUNE 2014

- Designed 60 Hz and 400 Hz power distribution for full aircraft sized maintenance training platform
- Specified electrical components e.g. cannon plugs, wire sizes
- Assigned, reviewed, QA'd electrical drawings

COMMUNITY

Robots and Rainbows - Pleasant Hill, CA
[Expanding Your Horizons Young Women's STEM Conference](#)

MAY 2015

- Designed and facilitated collaborative RGB LED electronic art project with middle school girls

Guest Teacher - Jacksonville, FL
[Thomas Jefferson Elementary School](#)

MAY 2014

- Created and presented circuits and LED activity to 2nd graders

Santa Cruz, CA

rrashkin@ucsc.edu

LANGUAGES

Python, Android, Java, C, Processing, MATLAB, Fortran, HTML, CSS, Verilog, Assembly

SKILLS

UNIX command line interface, PCB design, software development, hardware prototyping, drafting, graphic design, document management, version control, oscilloscope operation

CERTIFICATIONS

Engineering Intern
[Florida Board of Professional Engineers](#)
License #1100018152
JANUARY 2014

EDUCATION

Doctor of Philosophy - Computer Engineering
[University of California, Santa Cruz](#)
DECEMBER 2019

Bachelor of Science - Electrical Engineering
[University of Central Florida - Orlando, FL](#)
DECEMBER 2011

HONORS & AWARDS

- Regents' Fellowship
- Progress Energy Leadership Institute
- Burnett Honors College
- National Scholars Honor Society
- Dean's List
- Walt Disney World Ride and Show Scholarship
- AT&T Wireless Endowed Scholarship

PERSONAL ATTRIBUTES

- Creative thinker
- Collaborative worker
- Independent learner
- Adaptable
- Positive attitude
- Detail oriented