Roy Shadmon

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» Education

University of California, Santa Cruz
Master of Science (M.S.) Computer Science | Jan. 2018 – Mar. 2019 | GPA 3.72 | Adviser: Prof. Owen Arden
Bachelor of Science (B.S.) Computer Science | Aug. 2014 – Dec. 2017 | GPA 3.45

» Work Experience

Juniper Networks, Sunnyvale, California
Software Engineering Intern, June 2018 – September 2018
- Developed a real-time, highly-available network monitoring system that streams AWS instance logs with real-time security threat alerts.
- Designed dashboards to visualize instance log data with filtering capabilities.
- System is fully automated by a Slack bot that can also process log-data queries.

Jack Baskin School of Engineering at UC Santa Cruz, Santa Cruz, California
Teaching Assistant – CMPS 115 & 116, January 2018 – Present
- Teaching students agile SCRUM methodology and advisor to students' senior design projects.
- Mentoring and assisting students working on industry sponsored projects.

Lend Street Financial Inc, Oakland, California
Full Stack Software Engineering Intern, June 2017 – March 2018
- Engineered, designed, and launched werebound.com. Created a fully automated application process with client/server side security protections. Responsible for successful deployments to production.
- Improved automation of loan underwriting by 25% on lendstreet.com.

Storage Systems Research Center, UC Santa Cruz
Research Assistant, July 2016 – January 2018
- Formatted and edited 200+ research papers to create a book on storage systems for Prof. Darrell Long. Utilized Python's Matplotlib to design 100+ colorful graphs.

Dianomic Inc., Menlo Park, California
Software Engineering Intern, June 2015 – September 2015
- Developed Perl programs to run MySQL queries on multiple database nodes in a cluster. Managed and fixed bugs. Provided senior engineers with weekly bug reports.
- Refined technical documentation of installation process.

» Projects

Roulette on the Blockchain – Solidity & Node.js & Truffle
November 2018 – Present
- Ethereum gambling application with an implemented truly random number generator.
- Automated off-chain payment channel in progress to increase scalability and reduce fees.

Distributed Hash Table – Java
November 2018 – December 2018
- An implementation of the Chord Protocol—a Peer-to-Peer network.

Bitcoin & Ethereum: Two Decentralized P2P Applications
- A survey research paper comparing the Ethereum and Bitcoin blockchains.

» Skills

Languages: Python, Java, Node.js, Solidity, SQL, Ruby on Rails, LaTex, HTML, CSS **Familiar with:** C, Swift
Tools: AWS, Ethereum, Truffle, ELK, Elastalert, Bots, Bash, Unix, Vim, Twilio, Microsoft Office Suite
Operating Systems: OS X, Windows, Linux, CentOS, Ubuntu

» Extracurricular

Finance/cryptocurrency investor, avid book reader, jazz musician, basketball player, and hiker.