

LEAH M. LANGFORD

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EDUCATION

University of California, Santa Cruz

September 2013 - June 2017

Bachelor of Science in Computer Science (Honors in the Major)

Member of the Kappa Kappa Gamma Sorority

TECHNICAL STRENGTHS

Computer Languages

Python, Java, MySQL, C

Software & Tools

GitHub, PyCharm, LaTeX, Jira, Confluence

WORK EXPERIENCE

Quality Assurance Engineering Intern

September 2017 - Present

Internet Brands

El Segundo, CA

- Diagnosed and reported bugs on sites such as lawyers.com, martindale.com and nolo.com that could have led to potential loss of customers.
- Taught new engineers the best Quality Assurance practices for lawyers.com and martindale.com.
- Documented and executed test plans, test cases, and scripts which led to the discovery of potential showstopper and blocker bugs.
- Worked closely with project managers, developers, and other QA engineers to improve old features and launch new features.

Undergraduate Researcher

September 2016 - June 2017

Storage Systems Research Center (SSRC) UCSC

Santa Cruz, CA

- Worked under Professor Ethan Miller to develop a research project that examined the New Implementation Log File System to determine where data is written on a flash device and how to locate secret or hidden information.
- Conducted research on Steganographic File Systems (SFS), Oblivious Ram, and overall computer security and had weekly meetings to report my findings as well as ask questions.
- Provided critiques of SSRC projects to professors and graduate students during weekly staff meetings.

PERSONAL PROJECTS

Flash Storage Analysis

March 2017 - September 2017

- Motivation for this project was to learn about storage systems, mainly Solid State Drives.
- I created a Virtual Machine using Virtual Box, partitioned the disk and mounted the New Implementation File System to unallocated space on the disk.
- Used Systemtap to examine where NILFS allocates blocks.