

STEVEN BROOKS

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EDUCATION

B.S. Computer Science

2013-May 2018

Minor in Mathematics

University of Nevada, Las Vegas

GPA: 3.9 (Magna Cum Laude)

WORK EXPERIENCE

Jr. Software Engineer

Influential

- Backend engineering using Node.js and MySQL
- Focus on microservice architecture and system design
- Debugging legacy code and systems

Software Development Intern

UNLV Network Engineering Department

August 2016-Current

- Develop full stack applications using Angular.js, JavaScript, Bootstrap, HTML, Flask, Python, Node.js, MySQL
- Maintain and improve department's current back end systems and MySQL databases
- Assist with network maintenance and other duties mentioned in previous position

Student Network Technician

UNLV Network Engineering Department

October 2015-August 2016

- Installed network hardware such as switches, access points, UPS, etc
- Assisted with network maintenance, upkeep, inventory control, tracking, and replacement
- Programmed scripts to improve efficiency of network maintenance

PROJECTS/ACCOMPLISHMENTS

First Place in Computer Science Senior Design Competition

- Served as the Lead Backend Developer, using Python with Flask framework
- Handled DevOps, utilizing Debian (Linux), Apache Server, Nginx Proxy
- Helped develop database schema using MySQL

Wi-Fi PSK Application

- Currently live production system (UNLV Campus only)
- Increased the number of users able to connect devices to network by hundreds
- Applied high level networking and DevOps concepts
- Developed front end using Angular.js - JavaScript, Bootstrap, HTML; and back end in Flask – Python

MacTrack

- Currently live production system (UNLV Campus only)
- Modified existing backend system to be more modular and sustainable
- Wrote entirely new user friendly front end, with backend additions in Node.js

wifi.unlv.edu

- Designed and implemented a captive portal landing page for UNLV's Wi-Fi website
- Handled all DevOps and network considerations

SKILLS

Programming/Frameworks: C++, C, Python, JavaScript, Java, HTML, CSS, Flask, Bootstrap, Angular.js, Node.js

DevOps: Linux and Bash, MySQL, GIT, Networking, Apache, Nginx, Computer Hardware/ Peripherals