

David Sparkman

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Education

Rensselaer Polytechnic Institute GPA: 3.19

Fall 2014-Summer 2018

Pursuing Bachelor of Science, Information Technology and Web Science. Concentration: Computer Networking

Experience

Genia Internship (Division of Roche Sequencing); Mountain View, CA

Summer 2015, 2016

- Designed and created an internal webpage to make lab procedures more accessible and efficient
- Wrote big data analysis software in python to visualize experiment data
- Reconfigured computers running Linux Fedora from hardware to software RAID
- Ran sequencing instruments and helped with lab procedures.

Cisco Systems IT Software Engineering Intern

Summer 2017

- Designed new internal dashboard for at-a-glance information regarding purchasing systems
- Implemented and used new onboarding procedure for interns within the eDSS division
- Developed debugging utility for subscription verification services using Angular 4

RPI Ambulance

2014-Present

- Student-run 911-emergency ambulance service for the RPI campus and surrounding community
- First Lieutenant, Webmaster, Training Committee Chair, Driver Trainer, CPR Instructor, EMT
- Responsible for vehicle and equipment maintenance, as well as supply orders
- Successfully rebuild and launched new website

Rock Medicine; Mountain View, CA

2017-Present

- Provide volunteer emergency medical services at concert venues throughout the Bay Area
- EMT, Team Lead, Care Provider

Resident Assistant, Rensselaer Polytechnic Institute

2017-Present

- Assist students with conflict resolution or any other problems that come with college residence hall life
- Interact with and get to know all residents
- Plan monthly programs for residents to meet and interact with each other

Awards

- Parent Teacher Student Organization (PTSO) award for commendable citizenship.
- Los Gatos Saratoga Union High School District Distinguished Student Award
- Letter of Commendation for the National Merit Scholarship
- Presidential Scholar
- RPI Dean's list (Spring 2015, Fall 2015, Spring 2016, Fall 2016)

Certifications

- Cisco Certified Entry Networking Technician (CCENT)
- American Heart Association BLS, Heartsaver CPR Instructor
- New York State Emergency Medical Technician—Basic
- Nationally Registered Emergency Medical Technician (NRMET)
- State of California Emergency Medical Technician – Basic

Skills

- Competent in full Adobe CS3 and CS6, and CC Suite.
- HTML5, CSS, Python, JavaScript, J-Query, PHP, Bootstrap, C++, Angular 1.x and 4.x, MySQL, NodeJS
- Some experience with assembly languages such as MIPS
- Very experienced with Mac OSX, iOS, Windows, Linux Ubuntu.
- Experienced with Microsoft Word, PowerPoint, Excel, Pages, Numbers, and Keynote
- Fluent in German

Relevant Coursework

- Computer Science I (Python), Intro to ITWS (HTML, CSS, JavaScript), Calculus I, Calculus II, IT & Society, Data Structures (C++), Visual Communications, Cisco Networking Lab I, Web Systems Development, Web Science Systems Development, Managing IT Resources, Typography, Computer Organization (MIPS), Cisco Networking Academy II (CCNP-level course), Introduction of Algorithms, Data Resource Management, Information Systems Security, Internetworking of Things