

# David Sparkman

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## Education

**Rensselaer Polytechnic Institute** GPA: 3.17

**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.

**RPI Ambulance**

**2014-Present**

- Student-run 911-emergency ambulance service for the RPI campus and surrounding community
- Webmaster, Driver, CPR Instructor, EMT
- Currently redesigning and rebuilding website
- Successful public-facing launch over winter break, planning for member-side launch this summer

**Mechanical Science and Engineering Team at Saratoga High School**

**2010-2014**

- Chief Marketing Officer responsible for fundraising and presenting to small and large companies
- Participated in outreach to local elementary and middle schools.
- Participated in FIRST Robotics Competition all four years of high school.

**Computer Skills Outreach at Saratoga Senior Center; Saratoga, CA**

**2012-2014**

- Coached seniors in usage of technology such as computers, social networking, email, smartphones, and iPads once per week.
- Researched products on the market and advised seniors which product would best meet their needs.
- Investigated and resolved software issues on seniors' computers.

**Saratoga Falcon (High School Journalism); Saratoga, CA**

**2010-2014**

- Lead Technical Support: Repaired, organized, and maintained iMacs as IT lead. Installed and set up new computers.
- Head Photographer: Coordinated event times that needed pictures and took them as head photographer.

**Operation Catapult at Rose-Hulman Institute of Technology; Terre Haute, ID**

**Summer 2013**

- Brainstormed, designed, constructed, and pitched an automated "rail runner" robot.
- Acquired machining and CAD skills with Autodesk Inventor Pro.

## 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)

## Certifications

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

## Skills

- Competent in full Adobe CS3 and CS6, and CC Suite.
- HTML5, CSS, Python, JavaScript, J-Query, PHP, Bootstrap, C++, AngularJS, MySQL
- 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)