

Paul Legler

COMPUTER SCIENCE · ELECTRICAL ENGINEERING

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Education

University of California Berkeley

Aug. 2014 - Exp. Aug. 2018

B.E. IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

- GPA: 3.37

Loyola High School

Aug. 2010 - May. 2018

HIGH SCHOOL DIPLOMA

- GPA: 4.7, SAT: 2390
- National Merit Scholar, Academic Department Award in Computer Science, Highest Honors at Graduation

Work Experience

Northrop Grumman Corporation, AMP 2 Program

Summer 2017

COLLEGE TECHNICAL INTERN

- Worked on the Ground Hardware System Engineering Team for AMP 2 (Advanced Mission Programs 2)
- Developed tools using Visual Basic and Python to help estimate key channel parameter values as well as define a new interface to be used at specific locations to bridge the gap between already existing software and new software for AMP 2

Northrop Grumman Corporation, AMP Program

Summer 2016

COLLEGE TECHNICAL INTERN

- IWorked on the Payload Channel System Engineering Team for AMP (Advanced Missions Program)
- Developed tools using Visual Basic in Excel to streamline and standardize verification process of payload level requirements that will save the team 250+ hours per payload

Northrop Grumman Corporation, EPS Program

Summer 2015

COLLEGE TECHNICAL INTERN

- Worked on the Payload System Engineering Team for EPS (Extremely High Frequency Polar System)
- Developed tools using Visual Basic in Access and worked on simulations in MATLAB to help predict possible problems encountered in space.

Northrop Grumman Corporation, Milstar Program

Summer 2014

HIGH SCHOOL TECHNICAL INTERN

- Worked on the Payload System Engineering Team for Milstar (Military Strategic and Tactical Relay)
- Redesigned the internal program site using HTML and assisted in the creation of sell off documentation

Extracurricular Activity

Undergraduate Student Instructor

Aug. 2017 - December 2017

COMPUTER SECURITY (CS 161)

- Host sections and office hours every week, as well as contribute to development of homework and test questions
- 20 hours a week, 60 students in sections, 400+ students in class

President of UC Berkeley Chapter From Aug. 2016 and Coach From Aug. 2014

Aug. 2014 - Present

COACHING CORPS

- President: responsible for recruitment of new coaches, support of over 40 current coaches and of fellow Coaching Corps leaders, and communication with Coaching Corps regional corporate staff
- Coach: provide skill and character development to kids of all ages at underprivileged schools in the Bay Area

Reader and Lab Assistant

Spring 2017, Spring 2016

CS 70, CS 161, EE16A

- Spring 2017: Computer Security (CS 161) (8 hours a week), Spring 2016: Discrete Mathematics and Probability Theory (CS 70) (6 hours a week): Helped grading homework assignments, as well as attended homework parties to help students
- Sprint 2016: Designing Information Devices and Systems I (EE 16A) (5 hours a week) Helped students understand labs and ensured safety in the lab (5 hours a week)

Tutor and Mentor

Aug. 2014 - Present

SAGE MENTORSHIP

- Worked with one young man for 2 hours a week, assisting in areas of academic difficulty and providing a positive role model

Skills

- **Miscellaneous:** Microsoft Office (Excel, Word, PowerPoint), 4 years of High School Spanish, including AP Level

Python: ● ● ● ● ● Java: ● ● ● ● ● C: ● ● ● ● ● Visual Basic: ● ● ● ● ●
SQL: ● ● ● ● ○ HTML: ● ● ● ● ○ LaTeX: ● ● ● ● ○ MATLAB: ● ● ● ● ○