Paul **Legler**

COMPUTER SCIENCE · ELECTRICAL ENGINEERING

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Education

University of California Berkeley *Aug. 2014 - Exp. May. 2018*

B.E. IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

* GPA: 3.37

Loyola High School *Aug. 2010 - May. 2014*

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 *Summer 2017*

SOFTWARE ENGINEER 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 rewrite the bit-framing method of an encoder for wideband data

Northrop Grumman Corporation *Summer 2016*

SOFTWARE ENGINEER INTERN

* Worked 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 *Summer 2015*

SOFTWARE ENGINEER 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 *Summer 2014*

HIGH SCHOOL SOFTWARE ENGINEER 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 (Teaching Assistant) *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: ●●◑○○