Paul **Legler**

COMPUTER SCIENCE · ELECTRICAL ENGINEERING
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Education

University of California Berkeley   *Berkeley, CA*

B.E. IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE   *Aug. 2014 - Exp. Aug. 2018*

- GPA: 3.37

Loyola High School   *Los Angeles, CA*

HIGH SCHOOL DIPLOMA   *Aug. 2010 - May. 2018*

- 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   *Redondo Beach, CA*

COLLEGE TECHNICAL INTERN   *Summer 2017*

- 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   *Redondo Beach, CA*

COLLEGE TECHNICAL INTERN   *Summer 2016*

- 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   *Redondo Beach, CA*

COLLEGE TECHNICAL INTERN   *Summer 2015*

- 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   *Redondo Beach, CA*

HIGH SCHOOL TECHNICAL INTERN   *Summer 2014*

- 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

Computer Security (CS 161)   *Berkeley, CA*

UNDERGRADUATE STUDENT INSTRUCTOR   *Aug. 2017 - December 2017*

- 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

Coaching Corps   *Berkeley, CA*

PRESIDENT OF UC BERKELEY CHAPTER FROM AUG. 2016 AND COACH FROM AUG. 2014   *Aug. 2014 - Present*

- 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

Computer Security (CS 161) and Discrete Mathematics and Probability Theory (CS 70)   *Berkeley, CA*

READER   *Spring 2017, Spring 2016*

- Helped grading homework assignments, as well as attended homework parties to help students
- Spring 2017: CS 161 (8 hours a week), Spring 2016: CS 70 (6 hours a week)

Designing Information Devices and Systems I (EE 16A)   *Berkeley, CA*

LAB ASSISTANT   *Spring 2017*

- Helped students understand labs and ensured safety in the lab (5 hours a week)

Sage Mentorship   *Berkeley, CA*

TUTOR AND MENTOR   *Aug. 2014 - Present*

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

Skills

- **Programming Languages**: Python, Java, HTML, JavaScript, LaTeX, MATLAB, Visual Basic, Scheme, SQL

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