

Froylan Valencia

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EDUCATION GPA : 3.40

University of California, Santa Cruz *Expected Dec 2018*

B.S. Computer Science

Relevant Coursework: Database Systems, Artificial Intelligence, Data Structures and Object Oriented Programming, Discrete Mathematics and Probability Theory, Mobile App Development, Intro to Software Engineering, Advanced Programming in C++, Operating Systems, Comparative Programming Languages, Computer Architecture

Extracurriculars: ACM, SHPE, MESA

INTERNSHIP EXPERIENCE

Zuora

San Mateo, CA

2017 Summer Software Engineering Intern

June 2017-Aug 2017

- Designed, documented, implemented, and pitched a customizable customer care portal to allow reps to view, edit and modify data in zuora/salesforce tenants.
- Developed the Solution with Salesforces Lightning component framework using HTML, Javascript, APEX and Salesforces community builder.
- Developed scalable code, participated in code reviews in the agile development process and developed technical development report outlining the engineering process.

Zuora

Atlanta, GA

2016 Summer Software Engineering Intern

June 2016-Aug 2016

- Designed, documented, implemented, pitched, and deployed "Automated Quote Submission Package", a Salesforce for Zuora application.
- Converted tech spec into a complex program using APEX and Visualforce on the Salesforce platform
- Developed the framework for an unmanaged package to support automated event based submission.
- Finished project in 50% of expected timeline, was able to add functionality beyond initial requirements

Intel Corporation

Sacramento CA

2014 Summer Intern for Intel Ultimate Engineering Experience

June 2016-July 2016

- Problem solving current issues in the community, created web application to encourage healthy eating.
- Programmed 4 motor Quadcopter using Arduino FPGA microcontroller.

Cabrillo College

Santa Cruz, CA

S.A. Level 4, Tutor/Supplemental instruction Computer Science/Mathematics

Jan 2016-present

Hold midterm and final review sessions for Data Structures and Algorithms class.

- Tutor Algorithms, Discrete Math, Assembly and Computer Organization, Intro to C++/Java.
- Tutor remedial mathematics up through calculus series, differential equations and linear algebra.
- Held weekly review sessions for students through the colleges supplemental instruction program.

Funkey Inc,

San Francisco Bay Area, CA

Inside Software Sales Rep.

Aug 2015-Jan 2016

- Gathered customer requirements so as to recommend best possible products according to needs.
- Responsible for lead generation for the greater SF region down through Monterey County and Hawaii region.
- Held demos to showcase CRM, billing and diagnostics software features.

PROJECTS

NewsRank - Django Machine Learning Web Application, <http://newsrank-115.herokuapp.com>

- News Reliability ranking website to detect bias, general population perception, accuracy and factual reliability.
- Implemented machine learning algorithm to filter out unreliable sites.
- Tools used included natural language processing, sentiment analysis and supervised learning.

Cloud Vision - Android Software Development, <https://github.com/froyvalencia/CloudVision>

- Virtual closet management application.
- Implemented computer vision algorithm to filter background to improve accuracy of item classification.
- Used Google vision API's to classify clothing i.e., shirt, pants, shorts.

Water Scan - Android Software Development, <https://github.com/froyvalencia/WaterRank>

- Encouraged conservation of water through use of barcode scanner which scanned food and rated according to water usage.
- Developed algorithm to rank water required to produce 1 unit of item..
- Used Facebook's SDK and API's to allow user to login to set up account and post to page.

SKILLS

Programming Languages: C++, Python, Java, C, SQL queries, Javascript, APEX, HTML

Technologies: Django, Google Cloud Platform, Google App Engine, Firebase, Heroku, Git

Other Skills: Salesforce Development, Android Development, Web Application Development, Used many and adept at picking up new APIs, REST calls, Agile Development, Scrum