

Froylan Valencia

(209) 298-8877 | frvalenc@ucsc.edu | [linkedin.com/in/froyvalencia](https://www.linkedin.com/in/froyvalencia) | github.com/froyvalencia

EDUCATION GPA : 3.40

University of California, Santa Cruz *Expected Dec 2017*

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