

Jayro Alvarez

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EDUCATION

California State University, Fullerton

Bachelor of Science, Computer
Science

- Aug 2015 - present
- Graduation: Dec. 2019
- Major GPA: 3.17

SKILLS

Languages:

- C++, Python, C, HTML,
CSS, JavaScript, SQL, Bash

Frameworks/Technologies:

- Django, React, Flask,
Docker, Node.js, Express.js

Databases:

- SQLite3, PostgreSQL,
MariaDB, MySQL

Tools:

- Git, Github, Vim, Xcode,
Visual Studio

Methodologies:

- AGILE, SCRUM

COURSEWORK

- Object-Oriented Programming
- Data Structure Concepts
- Artificial Intelligence
- Operating System Concepts
- File Structures and
Database Systems
- Foundations of Software
Engineering
- Algorithm Engineering
- Software Testing

AWARDS

- Dean's List (2016, 2019)
- Certificate of Recognition:
AppJam+ Mentor

PROJECTS

budgetBuddy

[Github](#) | [Live Demo](#)

Django, SQLite3, Python, HTML, CSS, JavaScript

- Budgeting tool that implements user-created projects to track expenses.
- Each user project has features to help manage progress.

Student and Professor Database System

[Github](#)

HTML, PHP, SQL, MariaDB, Shell Server

- Database systems which allows students and professors to query database containing a multitude of records.

Tidey (Hackathon- BeachHacks 2019)

[Github](#)

React, HTML, CSS, JavaScript, Python, Django, SQLite3, Google Maps API

- Gets user's location and displays top nearby beaches to go cleanup. Users can post images and comments of progress on blog-like pages for each beach.

Fedora+ (Software Design Project)

[Github](#)

C++

- Project focusing on principles of software design and planning.
- Produced various diagrams, business plans, and presentations revolving around iterative/AGILE development techniques.

London Metro Path Finder

[Github](#)

C++

- Reads in text files to create a 2D matrix to represent a graph and uses DFS to find a valid path between two London Metro stations.

EXPERIENCE

Virun Nutra-BioSciences

Aug 2019 – present

Backend Engineer

Pomona, CA

- Development of web-based inventory management system to speed up company productivity.
- Development of algorithm to validate if purchase order can be processed based on inventory quantities.

Dreams for Schools

Mar 2018 – Jun 2018

Student Mentor

Yorba Linda, CA

- Taught middle school students the basics of programming through Thinkable platform.
- Mentored my group of four students through creating a mobile app in 10 weeks while exposing them to careers in STEM.