

Zachary Portillo

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Education

Bachelor of Science in Computer Science

California State University, Los Angeles

- Expected Graduation **Spring 2020**

Skills

Programming Languages: Java, SQL, Dart, HTML, CSS, Javascript, Python, Lua

Foreign Languages: Spanish(Intermediate)

Other Skills: Flutter Framework (Mobile Applications), Corona SDK (2D Game Development)

Related Courses: Java I & II, Programming w/ Data Structures, Algorithm Analysis, OS, Software Engineering

Projects

Product List in Dart, Flutter:

September 2018

- Created a mobile app for users to add, delete, edit, and view products.
- Implemented Google Maps API so users can seamlessly share the product's location and use their phone's camera to share pictures of their product.
- Managed all users and product state using the *FireBase* database for fetching and pushing all user and product information

Cereal Dispensing System (Group Project) in Java, Python:

May 2018

- Developed an automated cereal dispenser which could be compared to the *Coca-Cola freestyle* you would find at most movie theaters.
- Designed a GUI for users to easily navigate through the application and effortlessly make calls to the hardware modules.
- Used a Raspberry Pi for controlling the servos and the air pumps to dispense cereal and milk in seconds.

Sorting Algorithm Comparison in Java:

November 2017

- Implemented each of the sorting algorithms to compare the results on different sets of data.
- Implemented a testing platform to test each algorithm with an ArrayList of various sizes.
- Displayed the results using JavaFx Line Chart to display the time execution of each algorithm.

Experience

Digital & eCommerce Specialist

October 2016 – March 2019

Atlantic Wholesalers

- Used Magento, to create, update and delete products for the online website.
- Updated website home page to promote deals and brand-new merchandise.
- Fixed website bugs/issues that clients have reported about the website.

Association for Computing Machinery (ACM)

February 2018 - Present

Club Member

- Worked on ACM's most recent project *The Social Media App*
 - Implemented very own white error page using *Spring Boot*
 - Implemented custom Error Handling functions for the back-end of the project.

References available upon request