

EDUCATION

California State University Monterey Bay | Bachelors of Science in Computer Science
CSin-3 Program |

May 2020

- Member of the award-winning CSin3 program; A 3-year accelerated Computer Science Bachelor's degree program between Hartnell College and CSU, Monterey Bay.

Relevant Coursework |

2017 - 2020

- Data Structures & Algorithms, Object-Oriented Programming, Internet Programming, Software Design, Computer Architecture & ASM Lang, Discrete Structures, Operating Systems.

WORK EXPERIENCE

Visa Inc. | Software Engineering Intern | C++ | z/TPF

Summer 2019

- Developed and deployed a comprehensive solution to enforce government-imposed mandates and conducted extensive functional regression testing while using an IBM z/TPF mainframe operating system.
- Enhanced several developer tools used across several teams in order to expedite processes needed by the VIP Online Support Team.
- Formulated design documents, unit tests, and deprecated other outdated features to enhance code quality, and reduce test, and production incidents.

PROGRAMMING PROJECTS

[Spatial Temporal Oceanographic Query System](#) | JavaScript | HTML | Open Source

Spring 2020

- Implemented and shipped a new data visualization tool that renders thermal signatures in the form of spheres over a 3D model of Monterey Bay to allow the data collected by their autonomous underwater vehicles to be represented more accurately for oceanographers.

[Fort-ify](#) | JavaScript | HTML | CSS | PHP | Ajax | MySQL | Group

Spring 2019

- Created a Fortnite inspired profile tracker in a group of 4 where you can follow players, compare statistics in real time and view the latest gear on Fortnite's marketplace.
- Authenticated users throughout the web application by using a Google sign-in API, and implemented the feature that allows users to follow other players to compare stats while utilizing MySQL.

[Automotive Assembly Language](#) | C++ | Group

Fall 2018

- Collaborated in a group of 4 to program an assembler and simulator to create an assembly line language.
- Programmed 4 functions that read in 8 bit binary characters that determined an operation and register position, at which a value would be stored in.

SKILLS

Skills: C++, Java, TypeScript, Swift, Python, HTML

Tools: Xcode, Android Studios, Visual Studio, Github, Heroku, OSX, Linux, Windows, z/TPF

EXTRACURRICULARS

[HerScript](#) | Secretary | Workshop Instructor

Spring 2018

- Organized workshops, and introduced women of the Salinas Valley computer science concepts to ultimately encourage them to pursue careers in computer science.

[Google Computer Science Summer Institute](#) | Software Engineering Student

Summer 2017

- Enriched fundamental software engineering skills during an intensive 3 week program by designing and constructing a web application using HTML, CSS, JavaScript, Python, Bootstrap, and Google App-Engine.
 - **SPORSY** | HTML/CSS | JavaScript | Google App Engine | Group
 - Web Application designed to allow users to find and sign up for pick-up games in their area.
 - Implemented Google Maps API to determine user location and pinpoint potential pick-up games