Joshua Jusay

EDUCATION

U.C. San Diego - Mathematics – Computer Science B.S.   **March 2021**
 Relevant Courses: Software Engineering, Advanced Data Structures, Algorithms, Object-Oriented Programming, Cryptography, Computer Organization & System Programming, Graph Theory, Theory of Computation

WORK EXPERIENCE

Software Engineer – Pinned   **Nov 2019 – Present**
Technologies: Swift, Firebase, XCode, Node, React, HTML, CSS, Docker, Kubernetes
- Currently developing a website and iOS scavenger hunt application.
- Employed Google Firebase Cloud Firestore for streamlined data storage for iOS and web application.
- Designed and implemented user interface for iOS application utilizing SwiftUI.

Senior Tutor – San Diego Miramar College   **Jan 2016 – Present**
Technologies: Java, C++, Eclipse IDE, VIM, Unix
- Lead one–on–one tutoring for Java and C/C++ Programming.
- Spearheaded group study sessions and one-on-one tutoring in mathematics from Algebra to Differential Equations.

PROJECTS

TSP Recipe Web Application   **March 2020 - Present**
Technologies: Node, React, HTML, CSS, Firebase, Express, Axios
- Software Architect and Full Stack Software Engineer for The Social Plate, a web application that provides streamlined, step-by-step cooking tutorials and an achievement and level-based competition system.
- Led organization of code to follow MVC design principles and assisted in the creation of software artifacts.
- Primarily focused on implementing server-side code with Node and Express and maintained database.
- Assisted frontend team in creating React components and API calls with Axios.

YouPick iOS Application   **Jan 2020 - Present**
Technologies: Swift, Firebase, XCode
- Developing a full-stack iOS application using Swift for restaurant discovery.
- Utilized Firebase Cloud Firestore for backend and Foursquare API to collect restaurant information.

Electric Vehicle Cost Optimization   **Sep 2019 – Dec 2019**
Technologies: Java, IntelliJ, Junit
- Implemented a program in Java which generated a graph with weighted edges that modeled the total costs of purchasing and charging an electric vehicle at various charging options.
- Conducted research on vehicle and charger data and formulated cost functions.
- Used Dijkstra's algorithm to find vehicle and charger combination with minimized cost.

SKILLS

Languages: Java, Swift, JavaScript, HTML, CSS, C/C++, NoSQL
OS: Unix / Linux, MacOS
Applications: Firebase, Node, React, Git/GitHub, Visual Studio Code, IntelliJ, Eclipse, XCode, Junit, Docker, Kubernetes