Nestor Martinez

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Education

California Polytechnic State University, San Luis Obispo
Bachelor of Science Degree in Software Engineering 06/2022
GPA: 3.38
Relevant Coursework: Software Engineering, Object-Oriented Programming and Design, Data Structures, Intro to Database Systems, Intro to Distributed Computing, Technical Writing

Skills

Programming Languages: Python, Java, JavaScript, Typescript, C, C++, MySQL, HTML, CSS
Frameworks and Technologies: MERN (MongoDB, Express, ReactJS, Node.js), Git, UNIX, REST, AWS, CI, React Native, Agile, Scrum

Experience

Software Developer, California Cybersecurity Institute 02/2021 - Present
San Luis Obispo, CA

- Strategized a series of cybersecurity related challenges, which will be developed by myself and a team of four
- Created challenges using Python and JavaScript that were encountered by over 300 competitors, with plans to release them across the US, Europe, and Australia
- Hosted and implemented cyber challenges using AWS services such as EC2, Cognito, DynamoDB, and Lambda

Tech Lead, Hack4Impact 10/2021 - Present
San Luis Obispo, CA

- Led a group of six developers to create a web app for the NAACP using the MERN stack and Typescript
- Coordinated with the product manager and nonprofit to discuss requirements
- Delegated tasks for developers in weekly sprints

Software Developer, Hack4Impact 10/2020 - 09/2021
San Luis Obispo, CA

- Worked on the backend for a web app using the MERN stack and JavaScript for another local nonprofit
- Voted MVP by my teammates

Projects

Paso Robles Youth Arts Center Web App

- On a team of eight, developed a web app using the MERN stack
- Implemented tasks in JavaScript such as the creation of events, volunteer sign up, event searches and filters, and admin reports

SQL Injection Web App

- Used JavaScript, React, Node, and Express to mimic a terminal
- Utilized a SQL database to hold challenge related data, and intentionally made the app vulnerable to SQL injection for competitors to discover

DevBoard

- Created a Java application with a group of three that followed the ECB design pattern
- Implemented generic functions, multithreading, and other design patterns
- Developed REST API calls to pull from a Firebase database for user and project information, along with Travis CI for continuous integration