Sergio Murguia

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CAREER OBJECTIVE

To secure a position with a company that has a well established reputation and a stable environment that will lead to a lasting relationship in the field of computer science and software engineering.

EDUCATION

California State University, Fullerton, Fullerton,California

Bachelor of Science, Computer Science   Expected Graduation: May 2023

Relevant Coursework: Assembly language, Python, Data Structures, Algorithm Engineering, File Structure and Database, Software Engineering, Artificial Intelligence, Mobile Dev Programming, Cloud Computing & Security, Web Front-End Web Back-End

Golden West College, Huntington Beach, California

Associates in Computer Technology   June 2020

Relevant Coursework: C++, Calculus1, Calculus 2

TECHNICAL SKILLS

- Programming Languages: C++| Python| HTML| CSS| Javascript| PHP| Bash | R | ASM | Swift
- Frameworks: Express.js | Flask | React.js | Node.js | Bootstrap | FastAPI | RestfulAPI
- Databases: MySQL | Sqlite | MongoDB | Amazon RDS
- Tools: VS Code | XCode | GitHub | Slack | Jira | Confluence | Gdb | Rstudio | WireShark | Amazon Web Services | Postman

PROJECTS

High Frequency Trading Stock Bot *(developer)*   August 2022 - Present

- Collaborating with 4 classmates on a stock bot to predict stock prices and buy and sell user stocks based on profit; Python code is deployed for the algorithm and api call to collect data
- Constructed a UI utilizing react js, CSS and bootstrap to build a users login, Signup and Dashboard page
- Constructed a Database to save users credentials using nodejs and MongoDB
- Nominated as a finalist in Cal State Fullerton ECS innovation Expo

Bookstore *(Backend Developer)*   May 2023 - May 2023

- Devised a bookstore API for users to view, search and purchase books using python, mongodb and fastapi

NBA ScoreBoard *(Frontend/Backend Developer)*   February 2023 - May 2023

- Utilizing HTML and Python with a Flask framework, CSS and Bootstrap a website was designed, showing users live and daily NBA games and scores
- Retrieving data from and Api call using an NBA Api, the Python file with flask frame work pulled live data used to show the user the home and visiting team, location, and live scores and eventually final scores of an NBA
- Coding with CSS and bootstrap devised a nav bar for navigation in website and developing a table to display current and daily game scores and playoff bracket

Flask app *(Backend Developer)*   March 2023 - March 2023

- Wrote a python app containing a flask framework establishing a restful api with a error handler, JWT authentication, .file handling and public and admin routes
- Connected the Flask app with MySql to save user credentials for use in the public and admin routes
- Performed user authentication by producing a JWT token when a user is logging into account
- Executed error handling by writing error codes to match the actual error happening when making api calls for every different route

Discussion Board *(developer)*   August 2022 - December 2022

- Developed a discussion board website using Html, CSS and PHP; Database was deployed with MySql; AWS cloud services RDS, EC2, CloudWatch and lambda were needed for the project; Lambda scripts where programmed with python

United Stocks *(Developer)*   June 2022 - July 2022

- Teamed with 3 classmates to designed an IOS app; United Stocks gave the users ability to create an account to view news and save stocks to a watchlist; 2 api's where implemented with swift for the news and stock information

Recipe Web App *(Developer)*   February 2022 - May 2022

- Collaborated with 4 classmates to create a web application for users to look up and save recipes; An api was used to search for recipe by name or key word; Project UI and api were programmed with React

School Database *(Leader)*   August 2021 - December 2021

- Developed a database and interface for students and teachers to check class information; Used MySql to build 5 tables and database; Html was used to design the interface; 4 queries where implemented with php to collect data from the database and display on the UI