Anthony Tran

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Education

San Jose State University | GPA: 3.7/4.0 — San Jose, CA
Bachelor of Science in Computer Science — *Aug. 2020 – Dec. 2022*

De Anza College | GPA: 3.6/4.0 — Cupertino, CA
Associate in Science in Computer Science for Transfer — *Sept. 2017 – May 2020*

Technical Skills

Languages: HTML/CSS, JavaScript, Python, Java, C/C++
Frameworks/Tools: React, Node.js, Git, MySQL, MongoDB, Firebase

Experience

Learner — Jan. 2022 – May 2022
XSEDE EMPOWER — *Remote*

- Will be assisting graduate students on computational characterization of SARS-CoV-2 S Protein Variants.

Projects

TFT Patch Notes Discord Bot | Link to repo | *JavaScript, node.js, discord.js*

- Discord bot for Riot's online auto battler Teamfight Tactics that displays the latest patch highlight and allows searching for specific changes.
- Discord commands are received using discord.js and responded to by using cheerio.js to scrape the TeamFight Tactics website for the data.

Gains Workout Application | Link to repo | *Java, Javafx, MySQL*

- Teamed up with 4 other classmates to develop a workout journal desktop application made in Java using Javafx for the GUI and MySQL, hosted on AWS RDS, for the database
- Implements CRUD operations allowing for adding individual workouts and viewing the entire workout history.
- Follows MVC architecture which allows for separation of responsibilities between the database and front end.

WeightSwap Marketplace | Link to repo | *JavaScript, React, Firebase*

- Ecommerce web application for the sale of new and used gym equipment.
- Implements CRUD operations allowing for users to sell, update, delete, and offer on listings.
- Frontend is built with React to allow for dynamic rendering of pages.
- Backend is Firebase, which handles storing listings, user details, as well as for user authentication.

De Anza CS Class Finder | Link to repo | *C++*

- Teamed up with 5 classmates to develop a command line application that allows for searching of De Anza's Computer Science classes.
- Utilizes an N-ary tree structure to store the different classes allowing for O(n) search time.
- Results are sorted in ascending order based on class ID and section ID with merge sort allowing for O(nlogn) time complexity.

Student Grades Analysis Prediction Model | Link to repo | *Python, pandas, seaborn, sklearn, numpy*

- Analyzed dataset of student grades to determine what social/personal factors influence student grades the most.
- Pandas was used to pull the raw data and format it for easier graphing and modeling with seaborn and sklearn.
- Used seaborn to visualize different factors allowing for connections to be easily formed between them.
- Compares 3 different regression models (Linear Regression, Decision Tree Regressor, Support Vector Machine) to find the best model at determining a student's final grades