Eric Jiang

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Languages: Javascript, Python, TypeScript, SQL, Java, C#, Apache Kafka
Frameworks: React, Flask, Express, Selenium, Kubernetes
Methodologies: Waterfall, Iterative, Agile/Scrum
Certifications: Certified Solidworks Associate Level
Other: Matlab, Github, HTML, CSS, Bootstrap, ANSYS, JSON, Nodejs, Chinese

PROJECTS

Single Card Price Checker (SCPC)
Technologies: HTML, CSS, Javascript, Insomnia, React, Bootstrap, Firebase, Firestore, Typescript
- Setup Google Authentication utilizing Firebase to provide a login function
- Parsed through TCG Player's API to locate important information through Insomnia using GET and POST requests
- Utilized Fetch to generate an array of images for each different card set and change images based on desired card set
- Designed an animation for the loading of the cards and filter search bar through React-bootstrap and JavaScript
- Implemented a line graph based on specific parsed data through the usage of Recharts
- Connected Backend and Frontend allowing users to bookmark specific cards following the CRUD operations principle

Discord Music Bot
Technologies: Python
- Developed a custom bot on Discord through their Developer Portal to play music
- Parsed through Discord's API module using Python to establish keywords to activate/deactivate the bot
- Encoded downloaded video links from Discord command line into audio format through FFMPEG and youtube_dl
- Integrated randomized audio playback through .wav file configuration and ffmpeg audio function
- Added functionality to skip and pause current music track as well as talk command to play specific audio files

JPMorgan Chase & Co. (Forage) - Software Engineering Virtual Internship
Technologies: Python, HTML, CSS, Nodejs, NVM, React, Typescript, Perspective
- Applied frameworks and tools such as React, Typescript, Perspective, and Python to manipulate data into a live graph to track the change over time ratio of two stocks

EXPERIENCE

Coding Temple - Software Engineer   June 2021 - September 2021
Technologies: Python, JavaScript, HTML, CSS, Bootstrap, Flask, React, Typescript, Firebase, SQL, PostgreSQL, Insomnia
- Designed websites using JavaScript HTML DOM to showcase different types of product and their info/images
- Planned, programmed, and developed full-stack projects through communicating with RESTful APIs and the usage of front-end and back-end frameworks/languages such as Python, JavaScript, Flask, PostgreSQL, and React
- Refined and assisted colleagues with their Python and JavaScript code so it would operate more optimally through brainstorming if there are any more efficient ways
- Resolved errors and bugs through debugging so that applications written in Python or JavaScript in Flask and React would work before set deadline by either printing or console logging to detect issue or looking at documentation

Omega Engineering - Sales and Application Engineer   March 2021 - June 2021
Technologies: Salesforce
- Applied knowledge of temperature and pressure to assist customers in troubleshooting their products through live on-phone diagnostic tutorials
- Performed above the quarter performance review in sales, calls, and customer support by 5%
- Assisted returning customers who requested to talk to me about future purchases with new product introductions

Fairfield University - Mechanical Engineer, Awarded the CT NASA Space Grant   September 2019 - May 2020
[Project: Device to Convert Plastic into Household Objects] Technologies: Arduino, Solidworks, Word, Excel, ANSYS
- Leveraged Solidworks to create a device to convert plastic to filaments to be used to develop household objects by programming the machine using motors, sensors, arduino, heat-press and switches
- Constructed device using parts obtained from McMaster Carr

EDUCATION
Fairfield University, Bachelor's of Science, *Mechanical Engineering*, GPA: 3.53   September 2016 - May 2020
Universidad of CentroAmericana, *Study Abroad (Mechanical Engineering)*   September 2017 - December 2017