Eric Jiang

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Languages: Javascript, Python, TypeScript, SQL
Frameworks: React, Flask
Certifications: Certified Solidworks Associate Level
Other: Matlab, Github, HTML, CSS, Bootstrap, ANSYS, Chinese, JSON

PERSONAL APPLICATIONS
Single Card Price Checker (SCPC) - Software Engineer   August 2021
Technologies: HTML, CSS, Javascript, Insomnia, React, Bootstrap, Firebase, Firestore
- Setup Google Authentication utilizing Firebase to provide a login function
- Parse through TCG Player's API to locate important information through Insomnia using GET and POST requests
- Utilize Fetch to generate an array of images for each different card set and change images based on desired card set
- Introduce a filter search bar allowing smoother and faster search time with JavaScript
- Design an animation for the loading of the cards through React-bootstrap
- Implement a line graph based on specific parsed data through the usage of Recharts
- Connect Backend and Frontend allowing users to bookmark specific cards following the CRUD operations principle

EXPERIENCE
Coding Temple - Software Engineer   June 2021 - September 2021
Technologies: Python, JavaScript, HTML, CSS, Bootstrap, Flask, React, Typescript, Firebase, SQL, PostgreSQL, Insomnia
- Design Pokemon website using JavaScript HTML DOM to showcase different types of pokemon and their info/images
- Access the spotify api to add specific songs to images that are clickable allowing the user to play and pause on click
- Program Marvel website using Flask to enable users to create their own superheroes and share them with others
- Apply backend database from Flask to frontend React Redux drone website following the CRUD operations principle

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 - Senior Design: Device to Convert Plastic into Household Objects   September 2019 - May 2020
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
- Collaborated in the Literature review, Gantt chart, Concept Generation, FMEA file creations
- Awarded the CT NASA Space Grant

Fairfield University - Automated Generator Project   January 2019 - May 2020
Technologies: Arduino, Solidworks
- Collaborated with peers in designing a system to automatically power a generator by creating designs and troubleshooting in SolidWorks
- Used Solidworks to visualize concept idea and provide visual aid during the planning stages
- Programmed and built circuit using arduino to detect power loss through the usage of online guides

EDUCATION
Fairfield University, *Mechanical Engineering*, GPA: 3.53   September 2016 - May 2020
   Video Game Club, Overwatch Chapter, Team Leader (HV Gamercon)   *January 2019 - May 2019*
   Resident Assistant   *January 2018 - May 2018*
   Water Filtration System Maintenance (Bolivia)   *January 2017*
   Fairfield University - EWB Mini-Library Project   *May 2017*
   Nano and Micro Manufacturing Research Assistant   *September 2016 - May 2017*
Universidad of CentroAmericana, *Study Abroad (Mechanical Engineering)*   September 2017 - December 2017
   Construction of Organic Houses (Managua, Nicaragua)   *November 2017*