

# Eric Jiang

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**Languages:** Javascript, Python, TypeScript, SQL, Java

**Frameworks:** React, Flask, Express

**Certifications:** Certified Solidworks Associate Level

**Other:** Matlab, Github, HTML, CSS, Bootstrap, ANSYS, Chinese, JSON, Nodejs

## 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 websites using JavaScript HTML DOM to showcase different types of product and their info/images
- Plan, program, and develop full-stack projects through the usage of front-end and back-end frameworks/languages such as Python, JavaScript, Flask, PostgreSQL, and React
- Refine and assist colleagues with their Python and JavaScript code so it would operate more optimally through brainstorming if there are any more efficient ways
- Resolve 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
- Built applications with the intent of communicating with a RESTful API to collect, organize, and display data by using frameworks such as Flask or React

### **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

*[Automated Generator Project] Technologies: Arduino, Solidworks*

January 2019 - May 2020

- Incorporated 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 de CentroAmericana](#), Study Abroad (Mechanical Engineering)

September 2017 - December 2017

*Construction of Organic Houses (Managua, Nicaragua)*

November 2017