Aaron Chen

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EDUCATION

School: University of California, Irvine   Graduation Year: 2022
Major: Computer Science   GPA: 3.959
Coursework: Data Structure and Algorithms, Python and C++ Programming, System Design, Principles of Operating System, Computer Networks, Introduction to Data Management, Software Engineering, Linear Algebra, Statistics, and Discrete Math.

SKILLS

Programming Languages: Python, Java, C++, C#, C, JavaScript, SQL, HTML, CSS
Technologies: Github, NodeJS, ES6, Express, React.js, MYSQL, Nginx

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WORK EXPERIENCE

L3Harris Technologies / Software Engineer Intern | Irvine, CA   July 2020 - Present
- Worked on a **GPS Receiver** tool in **C#** under the Navigation System department.
- Implemented a **pipeline** feature that generates message files for other tools to consume.
- Investigated and fixed bugs under a **large code base**.
- Participated in weekly **meetings** with a team of 4 to discuss progress and roadblocks.

Green Apples Education / Java Instructor | Cupertino, CA   July 2019 - August 2019
- Taught students advanced **Java** concepts including **data structures** and sorting **algorithms**.
- Followed a curriculum and conducted four hour lectures five times a week for three weeks.

PROJECTS

Backtest Stocks / Full Stack Web Developer   July - September 2020
- Built a website that gauges the effectiveness of a technical trading strategy.
- Utilized **Yahoo Finance** and **MongoDB** to retrieve and cache stock data..
- Used **Recharts** library to display stock price and indicator charts.
- Designed custom React components by following **Object Oriented Programming**.
- Deployed on **AWS** EC2 instance using **Nginx**: **LINK:** chenaaron.com/stocks

Peter Portal / Full Stack Web Developer   January - July 2020
- Worked in a team to develop a course discovery web application for UCI.
- Used **Python** Beautiful Soup library to scrape course and professor data.
- Indexed data into **Elasticsearch** for **React** frontend to query.
- Implemented endpoints on **Express** server and documented with **Swagger**.
- Deployed on **AWS** EC2 instance using **Nginx**: **LINK:** peter-portal.com

Allergize / Back End Web Developer   February 2020
- Created a mobile application using **React Native** to detect food allergens in photos.
- Used **Express** framework to serve custom API endpoints.
- Worked on integrating multiple **APIs** to classify ingredients.
- Awarded **Best AIHack** at HackUCI 2020.

ACTIVITIES

ICS Student Council / Programmer | Irvine, CA   January 2020 - Present
- Joined the **Projects Committee** to work on a course catalogue **web** application.
- Wrote the **web scraping** script in **Python** to gather course information.
- Worked in a team of 4 to create a working prototype with **React** and **Elasticsearch**.