

Aaron Chen

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EDUCATION

School: University of California, Irvine

Graduation Year: 2021

Major: Computer Science

GPA: 3.968

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

PROJECTS

Peter Portal / Full Stack Web Developer

January 2020 - Present

- 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.

Personal Website / Full Stack Web Developer

September 2019

- Created an animated web portfolio in javascript to showcase my projects and skills.
 - Used **React** library to create a dynamic web page with interactive elements.
 - Utilized **Express** framework to integrate **Sendgrid** API for the Contact section.
 - Designed custom React components by following **Object Oriented Programming**.
 - Deployed on **AWS** EC2 instance using **Nginx**: **LINK:** chenaaron.com
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WORK EXPERIENCE

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.

My Learning Square / Java Instructor | Cupertino, CA

June 2018 - July 2018

- Taught middle and high school students the basics of **Java** programming language.
 - Assembled a curriculum and conducted two hour lectures twice a week for six weeks.
 - **Communicated** with students to help **debug** or clarify programming concepts.
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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**.