

# Vivian Lee

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## EDUCATION

### UNIVERSITY OF CALIFORNIA SAN DIEGO

#### COMPUTER ENGINEERING

Expected Masters Graduation: June 2022

### UNIVERSITY OF CALIFORNIA SAN DIEGO

#### COMPUTER ENGINEERING

GPA: 3.7

Completed Bachelors in March 2021

## LINKS

Github: <https://github.com/Viviaann>

LinkedIn: [linkedin.com/in/vivianylee](https://www.linkedin.com/in/vivianylee)

Portfolio: <https://viviaann.github.io>

## SKILLS

C++ • C • Java

HTML • CSS • Web Development

R • Elastic Search

Team Management • Linux/VIM

Python • Apache Kafka

Apache Flink • AWS Services

JavaScript • Go Lang • Kibana

## COURSEWORK

### UNDERGRADUATE

Data Structures and Object Oriented Design

Software Tools/Techniques Laboratory

Discrete Mathematics

Engineering Computation (C Language)

Circuits and Systems

Mathematics for Algorithms

Computer Organization and Systems Programming

Components and Design Techniques For Digital Systems

Intro to Front End Development

## AWARDS AND

## SCHOLARSHIPS

- 2020 Spectra 4.0 Hackathon Winner
- 2020 Provost Honors
- 2017 The Association of Chinese Teachers Scholarship
- 2016 AP Scholar with Honor Award
- 2016 Engineering Inspirational Award

## EXPERIENCE

### GENENTECH | AR/VR AND DATA VISUALIZATION INTERN

June 2021 – Aug 2021 | South San Francisco, CA

- Researched and designed a solution involving single sign-on for enterprise Augmented Reality space
- Worked with R Shiny framework to enhance and deploy a personalized data visualization tool recommendation app for internal employees

### UNIVERSITY OF CALIFORNIA, SAN DIEGO | INSTRUCTOR ASSISTANT

Sept 2020 – Dec 2020, March 2021 – June 2021 | La Jolla, CA

- Educate students on client and server side technologies such as HTML, CSS, JavaScript, Apache modules, and web servers
- Lead discussion sessions and office hours to engage students in course material
- Assisted instructor in course management and planning

### AMERICAN EXPRESS | SOFTWARE ENGINEERING INTERN

June 2020 – August 2020 | Palo Alto, CA

- Built a monitoring system to track transactions across different subsystems
- Created an API to neatly collect and find inconsistencies
- Worked with Cassandra, Elastic Search, Kibana, and Java to complete the project

## PROJECTS

### COSMIC CONNECTIONS HACKATHON PROJECT (GENERAL TRACK WINNER)

[HTTPS://DEVPOST.COM/SOFTWARE/COSMIC-CONNECTIONS](https://devpost.com/software/cosmic-connections)

August 8-9, 2020

Created a community based project that encourages people to anonymously write letters to their pen-pals. With a matching system, users are paired with each other and can safely engage in social activity while staying safe amidst social distancing. Tools used include React, Typeform API, Firebase Cloud Functions, Figma, and Firestore.

### UCSD STUDENT ORGANIZATION WEBPAGE

[HTTPS://LIBWALK-721C2.FIREBASEAPP.COM/](https://libwalk-721c2.firebaseio.com/)

Sept 2019 – May 2020

Maintained the database used in the project. Ensured that the front end of the webpage is able to properly grab content from Firebase. Tools used include JavaScript, HTML, CSS, Firebase, and React.

### UCSD HOUSING AND DINING MESSENGER BOT

OPEN SOURCE AT UCSD

January 2019 – Present

Created a Facebook Messenger Bot for easy access to dining halls and markets' daily hours and menu for UCSD students. Tools used include Python, Web Scraping, Web-hooks, and Beautiful Soup.

## EXTRACURRICULAR ACTIVITIES

- 2020 Open Source at UCSD (Founding Member and President)
- 2018 Society of Women Engineers (SWE)
- 2018 Women in Computing (WIC) (Website Committee)
- 2017 Engineers for a Sustainable World (Solar Car Team and Quadcopter)