

# SCOTT SUSANTO

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## EDUCATION

**University of Southern California**  
**Bachelor of Science in Electrical Engineering and Computer Science**

GPA: 3.82  
May 2023

**Pepperdine University**  
**Bachelor of Science in Computer Science and Mathematics**

GPA: 4.0  
August 2019-May 2021

**Honors:** Pepperdine Seaver Scholar, Dean's List Fall 2019-Spring 2020, Natural Science Grant Recipient

## TECHNICAL SKILLS

- Languages: C++, Java, Javascript, Python, Go, CSS3, HTML5
- Frameworks: Angular, React, Express, Node JS, Next JS, Mongoose, Firebase, Bootstrap, Figma
- Tools: Git/Github, Ubuntu, MongoDB, Postman, Heroku, VIM, VS Code

## WORK EXPERIENCE

**Teaching Assistant for USC CSCI 103**

January 2022-present

USC Viterbi School of Engineering

- Part-time course producer for USC Computer Science Introduction to Programming

**Full Stack Software Engineering Intern**

May 2021-July 2021

Snap Fitness Inc, Jakarta

- Initiated a project to build a Success Stories feature for members to post their extraordinary physical achievements
- Collaborated in a team of 3 and applied React JS and custom CSS to build the Success Stories component from scratch
- Wrote Python scripts for White Box testing pertaining to user auth, security, and other structured paths
- Refactored existing code base for improved performance and readability and updated documentation

## LEADERSHIP

**Director of Memberships, Beta Psi Omega Natural Science Fraternity, Pepperdine University**

August 2020-May 2021

- Interviewed incoming members and recommended potential candidates for e-board positions
- Managed administrative tasks for existing members and worked closely with logistics for biweekly events

**Firefighting Commander, Sentosa Fire Station Rotation 3**

April 2017-February 2019

Singapore Civil Defence Force, Singapore

- As Lieutenant, commanded team of 6 Section Commanders and 15 firefighters in operational fire station during mandatory Singapore National service
- Upheld station operational readiness, ensured vehicle and logistical maintenance, conducted field exercises in 4 HRI's across Singapore
- Ranked as 'Outstanding Performance' by Major Chu, Commanding Officer

## RESEARCH EXPERIENCE

**Research Intern, Valero Lab**

September 2021-December 2021

- Applied the Arduino SPI Library to interface custom board containing ADC, DAC, and load cell
- Communicated with electric motor and rotary encoder to generate feedback loop

## ACADEMIC PROJECTS

**Universal Scheduling de-Conflictor (USC)**

August 2021-December 2021

- Collaboration in 6-person team at USC software engineering class to create web app to optimize ease of scheduling new appointments between multiple users
- Utilized Java Spring for route handling, Firebase for database management and user auth, ReactJS and figma for frontend
- Primary role involved deploying ExecutorService interface for multi-threading to find availabilities efficiently

**YelpCamp**

February 2019-April 2019

- Enrolled in Colt Steele's Web Dev Bootcamp, creating Yelp-style web app to rate campgrounds across the US
- Utilized Express and MongoDB for backend, EJS and Bootstrap for frontend
- Employed third party services including Cloudinary, Mapbox, Helmet, express-flash, Heroku to push additional features