

# Willey Zhou

+1-626-643-8755 | willzhou000@gmail.com | <https://www.linkedin.com/in/willey-zhou/> | <https://github.com/willeyzhou1>

## Summary

Aspiring Software Engineer with foundational experience in software development and project management. Recently contributed to a team project within the Association of Computing Machinery, where successful integration of front-end and back-end functionalities was showcased to over 100 peers. Previously held leadership roles with FBLA, executing event management while fostering member engagement. Eager to use coding skills for frontend and back-end applications.

## EDUCATION

### University of California, San Diego

Bachelor of Science, Mathematics, Computer Science

- Achievements: GPA: 3.55, Provost Honors: FA21, WI24, SP24

## SKILLS & INTERESTS

**Languages:** Java, Javascript, C, Python, C++, HTML, CSS

**Editors/Skills:** VSCode, Jupyter Notebooks, VIM, Object Oriented Programming (OOP), Unit testing, Agile Methodology

**Tools/Packages:** React, Node.js, MongoDB, PostgreSQL, Pandas, NumPy, Git, Figma, Tailwind

## RELEVANT EXPERIENCE

### Association of Computing Machinery UCSD

La Jolla, California

Project Member

Apr 2023 - Jun 2023

- Collaborated on a quarter-long website development project with five team members, successfully delegating tasks for back-end development and front-end design using JavaScript and CSS
- Presented the completed website to an audience of over 100 at a school-wide conference, demonstrating usability and functionality.

### Future Business Leaders of America (FBLA)

San Gabriel, California

Vice President of Activities

Aug 2020 - Jun 2021

- Addressed engagement challenges during the COVID pandemic by organizing virtual events that increased club participation by over 50% using effective communication strategies
- Implemented hosting of Zoom study sessions that prepared over 30 members for new competition formats, resulting in successful state championship qualifications

### Future Business Leaders of America (FBLA)

San Gabriel, California

Activities Director

Aug 2019 - Jun 2020

- Organized the annual March of Dimes fundraiser for women and babies by setting up donation boxes in various classrooms and advertised for the cause, raising over \$200
- Engaged 40+ members with activities such as a Shark Tank to teach them more about the inner workings of business, increasing interest by 20% regarding business among the members
- Planned various socials such as potlucks and after school study sessions resulting in a 30% boost in member involvement
- Oversaw the recruitment of 8 new members through coordinating club fairs and word of mouth

## PROJECTS

### Eventify | React, Node.js, MongoDB

- Spearheaded a website that allows 1000+ UCSD club members to advertise events on campus
- Designed various frontend page prototypes for the website using Figma and coded in the prototypes in Javascript using React.js and Node.js, setting up the basic framework for the website
- Led communications between frontend and backend to ensure a smooth implementation of the MongoDB backend data in an agile work environment in order to handle event creation requests
- Established a proper setup of a user authentication system for clubs to create event advertisements using the Axios API

### File Compressor and Uncompressor | C++, OOP

- Coded in compressor and uncompressor methods to successfully reduce any file's size by up to 50%
- Implemented a file header to use as a key to encrypt and decrypt the file's contents
- Created a Huffman Tree and its build, encode and decode methods in order to encrypt the file in the compressor method and to correctly decrypt the file in the uncompressed method