Zhonghe Zheng

Nickname: Catherine | Pronouns: She/Her/Hers | Irvine, California

zhonghezheng246810@gmail.com| [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

University of California, Irvine - *B.S. Computer Science and Engineering*   JUN 2024

GPA: 4.0

RELEVANT COURSEWORK: Programming with Python Libraries, C++ Programming, Java Programming

High School - *Diploma*   JUN 2021

GPA: 4.4

RELEVANT COURSEWORK: AP CS, AP CALC BC, AP PHYSICS C: MECH, AP PHYSICS E&M

AWARDS: USACO (Silver Level), AP Scholar with Distinction, California Seal of Biliteracy in French

EXPERIENCE

ICS Student Council - Corporate Committee   OCT 2021 - PRESENT
- ❖ Build and maintain relationships with companies and alumni
- ❖ Helped organize workshops for ICS students on writing resumes, setting up GitHub, and interview processes

Robotics - FRC Team 846   AUG 2017 - JUN 2021
- ❖ Role: Senior Design Lead
- ❖ Oversaw design process of robot (5 subsystems) during Build Season
- ❖ Taught Design and Machining Workshops to 40-50 students

PROJECTS

MicroMouse   SEP 2021 - PRESENT
- ❖ Created a robotic mouse that can find the exit of a maze independent from human aid
- ❖ Implemented Flood Fill algorithm to traverse a maze and find the shortest path to the exit
- ❖ Designed Maze and Robot implementation in C++

Journaling Application   SEP 2021 - DEC 2021
- ❖ Created a journaling application where users can create entries and post them to a server
- ❖ Implemented using Python

Mutatio   AUG 2018
- ❖ Won Third Place at Expo Hacks 2018
- ❖ Created a website to match voters with political candidates who share the most values
- ❖ Worked on storing voters and legislators data using JavaScript
- ❖ Implemented the matching algorithm to find the best candidate for the voter

SKILLS

Technical Skills: Python, Java, C++