

(Leo) Wanquan Zhang

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Education

University of California, San Diego

GPA: 3.7

Bachelor of Science in Mathematics-Computer Science

Expected Graduation June 2023

- **Coursework:** object-oriented programming, data structures and algorithms, ARM assembly, computer organization, multivariable calculus, differential equations, mathematical reasoning

Skills

- **Languages:** Java, Python, C, Javascript (ES6), HTML, CSS
- **Frameworks:** React.js, Node.js, React Native, Express.js, Figma, Adobe Creative Cloud
- **Platforms:** Unix/Linux, Windows, Android, Git, GitHub, Google Cloud

Projects

Bot-O-Mat

June 2021 – September 2021

- **Java** command-line application which simulates the workflow of automated cleaning robots
- Instantiated robots objects based on user inputs and complete tasks based on their own specialties
- Implemented custom **sorting algorithm** for the efficiency ranking of the specialized robots

Conway's Game of Life Simulator

January 2021 – May 2021

- Built game of life simulator with core logic in **assembly** and **C**
- Implemented resizable board and frontend in **Javascript** and **React.js**

Discord Chatbot

June 2020 – September 2020

- **Python** Discord chatbot with 50 game and moderation features and 1,000 daily active users
- Cached data from Reddit and Urban Dictionary **APIs** to serve data efficiently to users

Experience

Software Engineer Intern at **Dudes of 708**

February 2020 – September 2021

- Developed inventory and money management mobile app in **React Native** for 100 beta users
- Refactored components and views, improving app load times by 75%
- Built complete user experience from the ground up, leading to \$800K of items processed daily

Social Media Liaison at **Bright Prospect**

April 2021– August 2021

- Organized advertising workshops with over 100 participants, increased event participation rate by 10%
- Contacted and Conducted Interviews with STEM industry professionals
- Created promotional materials for Instagram that increased monthly view count by 5%