

# Murou Wang

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## EDUCATION

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### University of California San Diego

La Jolla, CA

B.S. Computer Science | GPA: 3.93

Expected Graduation: June 2026

- **Coursework:** Operating Systems, Software Engineering, Data Structures, Algorithms, Artificial Intelligence

## EXPERIENCE

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### Providwell

San Diego, CA

Software Engineering Intern

June 2024 – September 2024

- Developed comparison component with hover-activated table in React for customers to visualize >50% savings.
- Implemented PDF export feature of property listing using React-PDF, allowing customers to share with contacts.
- Standardized new ticketing system for client-engineer communication, contributing to 56% increase in productivity.

### Association for Computing Machinery at UC San Diego

La Jolla, CA

President

March 2024 – Present

- Led team of 100+ students by managing logistics for 230+ computing workshops and socials to foster community.
- Pioneered outreach initiative to bring computing opportunities to 200+ underprivileged K-12 San Diego students.
- Liaised with industry professionals for a career fair and 4 recruiting events, increasing student career opportunities.

### UC San Diego Computer Science and Engineering Department

La Jolla, CA

Discrete Math Instructional Assistant

March 2024 – Present

- Hosted office hours and problem solving sessions explaining proofs, logic, and algorithm concepts for students.
- Successfully resolved 110+ student questions by providing technical guidance with 99% positive student ratings.
- Collaborated with team of 10 to grade 2000+ pieces of student work and give timely and personalized feedback.

### UC San Diego Systems and Networking Group

La Jolla, CA

Undergraduate Research Intern

September 2023 – June 2024

- Created proof of concept for self-spreading attack on large language model to evaluate strengths and vulnerabilities.
- Automated benchmark of 300 Meta prompt injections against OpenAI gpt-3.5-turbo for qualitative evaluation.
- Integrate Gmail and OpenAI APIs using Python for custom Gmail helper to test attacks in real-world environment.

## PROJECTS

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### Cultivate | *React, Node.js, Git, Figma, Express.js*

[github.com/murouw/cultivate](https://github.com/murouw/cultivate)

- Implement gratitude journal app using React and MongoDB, allowing users to record and track entries over time
- Establish Google OAuth signup and login, allowing user to fetch persistent memory through RESTful API endpoints
- Developed user authentication flow and UI calendar interface for user to sign in and view previous calendar entries.

### Successorator | *Android Studio, Java, Room, SQLite, Espresso*

[github.com/murouw/successorator](https://github.com/murouw/successorator)

- Spearheaded team of 5 developers to develop Android productivity boosting to-do app using Java, Android Studio.
- Leveraged Room and SQLite to store user data in a local database for users to track task completion over time.
- Utilized Android XML to develop intuitive interfaces for task creation and comprehensive task list management.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, JavaScript, Typescript, HTML, CSS, SQL, Assembly

**Tools:** Android Studio, Git/GitHub, Unix/Linux, GDB, Google Cloud, Valgrind, OpenAI, Unity, Figma, Sass, Jest

**Frameworks:** React, Next.js, Node.js, JUnit, Espresso, Pytorch, Express, SQLite, MongoDB, NumPy, Room