

# Kate Wang

kate.wang2309@gmail.com | +1 6692959333 | San Diego, CA 92122  
<https://www.linkedin.com/in/kate-wang-174593244/>

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## EDUCATION

### University of California San Diego

June 2026 (expected)

Jacobs School of Engineering

Bachelor of Science in Computer Science

### De Anza College

June 2024

Associate in Science (Computer Science)

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## EXPERIENCES

### Backend Developer

May 2025 - Present

Association for Computing Machinery (ACM) AI at UC San Diego

- Engineered backend infrastructure for AI competitions supporting **500+** users, enabling real-time model submissions, evaluation, and leaderboard updates using Docker and MongoDB.
- Developed and maintained RESTful APIs to support dynamic front-end features and ensure seamless integration across competition platforms and educational tools.
- Contributed to backend development for internal tools, including an AI Wikipedia platform and automated GitHub code syncing for workshops, improving accessibility and streamlining developer workflows.

### Software Developer Intern

June 2025 - Sept 2025

San Diego Supercomputer Center (SDSC)

- Designed and built a cross-platform mobile app from scratch using React Native and Expo, collaborating in an agile team across the full product lifecycle from ideation to deployment.
- Developed and translated user stories into actionable tasks based on team discussions and product owner-defined conditions of satisfaction, ensuring timely delivery of testable features in each sprint.
- Drove consistent team progress by actively engaging in daily stand-ups, sprint reviews, and retrospectives to support collaboration and continuous improvement.

### Student AI Engineer

Oct 2022 - June 2024

De Anza Engineering Society

- Designed and implemented a computer vision system using OpenCV for autonomous model car navigation, achieving **85%** accuracy in obstacle detection.
- Improved detection accuracy and system response by implementing multi-sensor integration.

### Teaching Assistant

Sept 2023 - June 2024

De Anza College CS Department

- Collaborated with faculty to identify learning gaps and tailor instructional approaches, resulting in **10%** higher average exam scores and **25%** higher student project completion rates.
- Provided individualized and group tutoring to facilitate student learning, offering clear explanations and practical examples to simplify complex computer science concepts.

### Artificial Intelligence Researcher

June 2023 - Oct 2023

San Jose State University Intelligent Conversational Agents and Neural Networks Lab

- Implemented API for TikTok data extraction, collecting **over 1,000** posts for sentiment analysis of misinformation.
  - Utilized the BERT language model and trained data to about a **90%** accuracy level.
  - Contributed to a paper on misinformation detection, contributing NLP methodology and quantitative analysis.
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## SKILLS AND CERTIFICATES

**Technical skills:** C, C++, CSS, Data Analysis, Data Visualization, Expo, Git, HTML, Java, JavaScript, Machine Learning, MongoDB, MySQL, Natural Language Processing (NLP), Pandas, PHP, Python, React, TypeScript

**Certificates:** ALL-in Eduspace Data Science Bootcamp (2021), Inspirit AI Scholar and Leadership Fellow (2021)