

Noelle Wang

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EDUCATION

University of California, Merced
Bachelors of Science in Computer Science

Merced, CA
May 2027

WORK EXPERIENCE

CITRIS and the Banatao Institute at UC Merced
Educational Intern

Merced, CA
May 2024 - Present

- Developed and coordinated interactive STEM curriculums integrating AgTech concepts for K-12 students within Merced County.
- Fabricated foundational frameworks and standard-based recommendations for creating curriculums.
- Assisted in various CITRIS educational efforts and team members as necessary.

Team 5507 - Robotic Eagles
Software Mentor

San Francisco, CA / Remote
January 2024 - Present

- Advised an team of 10+ high school students on the development of efficient and reliable software for an high scoring robot.
- Mentored and reviewed the development of the new robot's codebase.

ACM at UC Merced
Webmaster

Merced, CA
Sept 2023 - Present

- Rewrote and modernized an modern, scalable website using React and FastAPI to reconcile deprecated codebase.
- Managed and mentored a team of 5-15 developers, ensuring the project was completed on time and within budget.
- Constructed improved internal workflows for administrative duties, resulting in stable and refined processes.

Team 5507 - Robotic Eagles
Hardware Lead

San Francisco, CA
Sept 2021 - June 2023

- Engineered and manufactured an high scoring robot for the 2022-2023 season within 3 months, leading to 1st place rankings at regional competitions.
- Closely worked with mechanical, electrical, software teams and mentors to ensure the robot was engineered for competitions.
- Developed bleeding edge manufacturing processes, resulting in a 20 percent reduction in production time and 15 percent increase in fortitude.

PROJECTS

Rodhaj | Python, PostgreSQL, Linux

<https://github.com/transprogrammer/rodhaj> 🔗

An modern shared moderation inbox application for an community of over 1,000 users

Kanae | Python, FastAPI, PostgreSQL, Redis

<https://github.com/UCMercedACM/kanae> 🔗

Monolithic backend web server for ACM at UC Merced with automatic deployments that vastly accelerated development speeds.

Phoebe | Python, FastAPI, OpenAPI, SQLite, Flutter

<https://devpost.com/software/phoebe-izav85> 🔗

Mobile platform that connects the LGBTQ+ community with safe havens while fostering support and solidarity.

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, SQL, HTML, CSS, Bash

Technologies: PostgreSQL, SQLite, Redis, MongoDB, Prometheus, Grafana