Danny Yu

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EDUCATION

University of California, Davis   Davis, CA
Bachelor of Science in Computer Science, Minor in Statistics - GPA: 3.5   Sep. 2023 - Present
Relevant Coursework: Data Structures, Algorithm Design & Analysis, Object-Oriented Programming, Human-Computer Interaction, Probability and Statistical Modeling

EXPERIENCE

AI & Robotics Intern   June 2025 - Aug. 2025
Integem, Inc.   Larkspur, CA
- Engineered and programmed robots and drones using Python, MQTT wireless communication, and custom hardware integrations, enabling real-time control and automation
- Designed and deployed 10+ holographic augmented reality projects integrating Python, 3D AR environments, and generative AI with diffusion models in PyTorch
- Led development and delivery of K–12 AI & robotics workshops, teaching 50+ students and authoring hands-on STEM curriculum to strengthen computational thinking and problem-solving skills

Math Tutor   Jan. 2023 - June 2023
Pioneer High School   Woodland, CA
- Provided individualized and group tutoring for high school students (grades 9–12), tailoring lessons to current coursework and upcoming exams
- Explained complex math concepts clearly, resulting in improved test scores and increased student confidence
- Created and organized custom practice materials, enabling efficient review and mastery of challenging topics

PROJECTS

Product Store | *React.js, Node.js, Chakra UI, Express.js, MongoDB, JavaScript*   Apr. 2025 - May 2025
- Developed a full-stack web application with Express backend and React frontend, serving a RESTful API for product management
- Designed and implemented a responsive user interface enabling users to create, modify, and view products efficiently
- Built a real-time API database integration, ensuring user input is stored and reflected immediately across the application

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, JavaScript
Frameworks: React.js, Node.js, Express.js, Chakra UI
Developer Tools: VS Code, GitHub, Docker, PyCharm, MongoDB
Libraries: Pandas, NumPy, Matplotlib, SciPy, Torch