

# Daniel Nguyen

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## EDUCATION

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### University of California, Irvine

o B.S. in Computer Engineering

Anticipated June 2027

## PROJECTS

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### IEEE Open Project Space

Sept 2024 – Present

- A year-long embedded electronics course where students gain practical experience by creating 9 different hands-on projects
- Gain knowledge in concepts such as circuits, microcontrollers, PCB design, and hardware communication

### Rover Engineering Course

Sept 2024 - Present

*Design & Electronics Lead*

- Collaborated with 6 other individuals during a 10-week course to assemble a RC-powered rover
- Studied the importance of torque, center of gravity, and steering systems
- Utilized Solidworks to CAD design the infrastructure and steering system of the RC rover

### Autonomous Navigation Rover Research

June 2024 - July 2024

- Invested 15 hours a week over the summer working with Dr. Shuo Wu to study the usage of advanced sensor integration and control algorithms
- Designed and implemented inertial navigation systems utilizing IMU modules, servo motors, and PID controllers for precise autonomous movement
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## EXPERIENCES

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### Engineering Student Council, UCI

Irvine, California

*LIFE Member*

Sept 2024 – Present

- Contribute to community-building efforts by promoting a culture of collaboration and innovation among first-year engineering students
- Develop skills in communication, problem-solving, and event coordination to support community building in an academic environment.

### Asian Club, Clovis High School

Clovis, California

*Vice President*

July 2023 - June 2024

- Organized events fostering cultural connection and unity among Asian-American students at Clovis High School
- Demonstrated leadership by managing and guiding a team of over 100 club members to achieve organizational goals
- Partnered with local businesses and community members to coordinate successful fundraisers, collectively raising over \$3,000 in a single year

## AWARDS

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Summer Bridge 2024 Scholar

Henry Samueli Endowed Scholarship

Finish in Five Research Program Grant

The Walt Disney Company / AANAPISI Scholarship

## SKILLS

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**Programming:** C, C++, Arduino

**Tools:** Solidworks, KiCad

**Hardware:** Soldering, Low Power Embedded Systems