Glendale, USA • hacobiandaniel@gmail.com • 818-540-5643

DANIEL HACOBIAN

Motivated undergraduate student pursuing studies in computer engineering. Strong background in programming, problem solving, and analytical work. Seeking a technical role where I can apply my skills to impactful, engineering-focused projects. Fast learner, clear communicator, and reliable collaborative team member.

EDUCATION

COMPUTER ENGINEERING **Aug 2026**
University of California-Irvine

- Incoming Transfer Student

COMPUTER ENGINEERING **Aug 2025 – Jun 2026**
Glendale Community College ***Glendale, CA***

- Relevant Coursework: Data Structures, C/C++, Discrete Structures, Linear Algebra, Honors Multivariable Calculus, Honors Differential Equations, Physics for Engineers: Mechanics, Electricity & Magnetism, Waves/Optics, Statistics

EXPERIENCE

AI INTERPRETABILITY RESEARCHER **Jun 2025 – Present**
Algoverse ***Remote***

- Conducted AI safety research on hidden misalignment in language models, studying whether deceptive behavior can be detected through internal activation patterns.
- Built activation-based diagnostic tools using PyTorch, Hugging Face model hooks, and the bench-af framework to extract and classify model representations.
- Trained linear and non-linear probes on honest vs. deceptive model outputs, analyzing layer-wise patterns and cross-model generalization across GPT-2, HAL9000, and LLaMA-3-70B.

COMPUTER SCIENCE INSTRUCTOR **Aug 2024 – Present**
Code Ninjas ***La Canada, CA***

- Taught programming fundamentals to students through Scratch, JavaScript, and C# with Unity in classroom and camp settings.
- Guided students through debugging, problem-solving, and project development while encouraging creativity and independent thinking.

STUDENT TEACHER **Apr 2026 – Present**
Stanford Code In Place

- Led weekly virtual sections for students learning introductory programming concepts through Python and Karel.
- Supported students with debugging, problem-solving, and coding exercises while helping create a welcoming learning environment.
- Explained core CS topics such as variables, loops, conditionals, functions, and decomposition in a clear, beginner-friendly way.

ELECTRICAL ENGINEERING INTERN **Jun 2024 – Aug 2024**
Ficrest ***Burbank, CA***

- Installed, wired, and tested low-voltage automation systems for residential and commercial projects, ensuring proper functionality, safety, and reliable performance.
- Used multimeters, oscilloscopes, wiring diagrams, and hands-on troubleshooting methods to diagnose circuit issues, repair faulty connections, and verify system operation.
- Assisted with configuring control panels, sensors, relays, and power supplies while supporting hardware integration, testing, and on-site system setup.

ELECTRONICS AND PNEUMATICS LEAD **Aug 2023 – Jun 2025**
FALKON 589 Robotics

- Led the electronics and pneumatics subteam for an FRC competition robot, overseeing wiring, sensor integration, pneumatic systems, and electrical board organization.
- Designed, assembled, and maintained robot electrical systems, including motor controllers, sensors, solenoids, compressors, and low-voltage control components.
- Troubleshot electrical and pneumatic issues during build season, testing, and competitions to improve robot reliability and reduce downtime.
- Collaborated with mechanical, programming, and drive teams to integrate hardware systems, support robot functionality, and prepare for regional and national competitions.

ADDITIONAL INFORMATION

RELEVANT PROJECTS
Allergy Alert

- Built a mobile app that scans barcodes and identifies allergen risks to help users make safer food choices
- Placed 3/68 in the Congressional App Challenge in Judy Chu's District
- Github Link: https://github.com/sevookk/AllergyAlert

EXTRA-CURRICULAR ACTIVITIES
Machine Learning Club, Founder/President

- Founded and led a student club focused on teaching core ML concepts through hands-on projects
- Organized lessons, guided members through building models, and created a collaborative learning environment

SKILLS

Machine Learning, Data Analysis, Circuit Design, Embedded Systems, Neural Networks, Digital Signal Processing