

Kenneth Len Nishiyama

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Mechanical Engineering with a CS minor at Georgia Tech. Well versed in both CS and Mechanical knowledge as well as experience with the use in manufacturing tools. 4+ years of leadership and technical experience in time-crunched and technical settings. Expected graduation date is December of 2027.

EDUCATION

- Georgia Institute of Technology**, Atlanta, GA August 2023 - December 2027
- Bachelor of Science in Woodruff School of Mechanical Engineering
 - Minor in Computer Science
 - Concentration: Automation and Robotics, Intelligence
- Cañada College**, Redwood City, CA, GPA 4.0/4.0 June 2022 - July 2023
- Dean's List (291 out of 5000 students)
- Mountain View High School**, Mountain View, CA, GPA 4.4/5.0 August 2018 - June 2022
- AP Distinguished Scholar, High School Scholars Award

EXPERIENCE

- Roam @ Roamthewrld.com**, *Founder*, Atlanta GA/Mountain View CA April 2025 - Present
- Founded a wearable biometric product which uses transdermal sensing via SPEs to detect different chemicals in your body. Working on development of an ethanol sensing band, and promoting it as a social accountability platform. Testing accuracy, but plan to measure other biometrics including Neurotransmitters and other electroactives
 - Initially a individual project but currently working with undergraduate/graduate students from UCLA and UC Berkeley to pursue this project.
- Invention Studio @ GaTech**, *Prototype Instructor*, Atlanta GA November 2024 - Present
- Currently on the path to becoming a Prototype Instructor for the Invention Studio. This requirement consists of having mastered proficiency for every machine in the shop including advanced tools such as Mills, Lathes, Welding tools, Waterjets, and various CNC tools
- Corsair Gaming Inc**, *R&D Mechanical Engineering Intern*, Duluth GA March 2024 - June 2024
- Tasked with optimizing the manufacturing process for gaming computers. Specifically researching and fabricating new methods to increase efficiency in printing art designs on computer panels in collaboration with Origin PCs in their new Atlanta office.
 - Responsible for the entire R&D process from researching specific methods/materials, CAD design, to assembly. Also included setting up meetings to review progress and writing proper documentation and assembly instructions for all designed prototypes.
- FarmX Co**, *Mechanical/Electrical Engineering Intern*, Mountain View CA August 2021 - January 2022
- Worked in the Agricultural Technology business where environmental data is gathered and then processed with AI in order to predict crop patterns to optimize irrigation throughout harvest seasons.
 - Worked with various instruments in order to create custom PCBs from scratch and tested them in real time.
 - Additionally used CAD modeling and 3d printing to create prototypes and ease the assembly process. Required following strict documentation for all.

LEADERSHIP & COMMUNITY INVOLVEMENT

- Kappa Sigma Fraternity**, *Housing Manager/Leader* October 2024 - Present
- Ranked highest in GPA for any Greek organization at the university.
 - Responsible for all maintenance of the fraternity house. This includes contacting respective professionals when needed and presenting to members house issues and future plans at meetings. This includes HVAC, Electrical, Plumbing and the cleanliness of the house. Extensive planning and proper documentation is needed on given budget

SKILLS/INTERESTS

Skills: Java, Python, C++, C, Solidworks (most used), CATIA, Onshape, Fusion 360, Matlab, Machine tools (Lathe, CNC router, Mill, etc), Electrical, PCB Design, Arduino, Raspberry pi, Web Development, Javascript, Html, Css

Interests: Robotics, Automotive, Semiconductors, CAD design, Manufacturing, Energy, Drone Technology

Future Plans: Expected to research at Tokyo Tech Mirua Lab Reaserch Program: Human x AI interactions