

Paige Yun

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EDUCATION

Cornell University | College of Engineering (Dec 2027)

Ithaca, NY

Major(s): Electrical and Computer Engineering & Computer Science | Minors: Artificial Intelligence & Robotics GPA: 4.014 / 4.0

Relevant coursework: ECE 4750: Computer Architecture, ECE 3200: Foundations of Machine Learning, CS 4820: Algorithms

EXPERIENCE

Verantos

Menlo Park, CA

AI/ML and Application Developer

May 2025 - August 2025

- Designed scalable backend API to enable epidemiologists to map source concepts to standardized clinical codes (OMOP)
- Built robust API endpoints for CSV ingestion and Snowflake-powered data retrieval; integrated AWS S3 for scalable data storage
- Integrated clinical language models and domain-specific filters to automate mapping suggestions, reducing manual workload by ~80% and mapping time by 20–30 hours per dataset; worked closely with stakeholders to iterate on frontend design

Cornell Custom Silicon Systems (Project Team)

Ithaca, NY

Printed Circuit Board (PCB) Designer

August 2024 - Present

- Designed 4-layer PCB for agnostic board to classify scrub jay vocalizations and measure ‘head-bobbing’ motion; integrated microphones, IMUs, microcontrollers, and RISC-V processor; optimized layout to reduce board size by over 30%
- Performed SPICE simulations to analyze DC/AC/transient behaviors of custom circuits; created simulation workshop for team
- Led breadboarding/board verification process, reducing iteration cycles by 25% (2 days) by debugging boards prior to fabrication

Cornell Rapid Prototyping Lab

Ithaca, NY

Student Research Assistant

August 2023 - Present

- Operated (FDM and resin) 3D printers and (CO2) laser cutters to fabricate parts for 40+ research groups and project teams
- Led team meetings to provide important lab updates and establish partnerships with engineering leadership

LEADERSHIP

Cornell Bowers CIS & Cornell School of Electrical and Computer Engineering

Ithaca, NY

Teaching Assistant for CS 1112 and ECE 2300

January 2024 - Present

- Assisted 100+ students with programming assignments; hosted consulting hours; led discussion sections; proctored exams
- Conducted weekly office/lab hours to assist 200+ students with digital logic design concepts and labs; organized exam reviews

Ranger Taekwondo

Palo Alto, CA

Taekwondo Instructor

October 2019 - Present

- Taught classes to prepare students for belt tests and competitions; coached athletes during competitions
- Worked with students from pre-kindergarten to university; active member of Cornell Taekwondo

FIRST Robotics FRC Team 1868

Mountain View, CA

Robotics: Team Captain & Drive Team Coach

August 2019 - May 2023

- Created and taught fall workshops; managed offseason projects; facilitated design of robot mechanism(s); directed match strategy
- Represented team in technical interviews; served as a FIRST ambassador; organized and presented at outreach events to spread team’s mission to increase representation of and accessibility for women in STEM to young girl scouts

AWARDS & ACHIEVEMENTS

Academics

AP Scholar with Distinction Award 2022, 2023

National Merit Scholarship Award Finalist 2023

Performance Award for AP Computer Science A 2022

National Spanish Exam Level II (Gold) 2023

Robotics

Regional FIRST Impact Award | CPR 2023

Regional Engineering Inspiration Award | OCR 2022

SKILLS

Programming: Python, OCaml, Java, MATLAB, C++, HTML

ECE: SPICE, Verilog, FPGA

AI/ML: ORCA, Pytorch, Numpy/Pandas

Design: Autodesk Maya, Unity, Procreate, Figma, Onshape,

Autodesk Inventor, Solidworks

Wet lab: DNA extraction, qPCR, Sanger sequencing

Interests: Running | Taekwondo | Photography | Dogs | Food