

Ethan Matthew Escat

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EDUCATION

University of California, Berkeley | Berkeley, CA

Expected Graduation: **December 2026**

Bachelor of Science in Electrical Engineering and Computer Science

Diablo Valley College & Los Medanos College | Pleasant Hill & Pittsburg, CA

Cumulative GPA: 4.00

Associate of Science in Computer Science and Mathematics

Jun 2022 - May 2024

Relevant Courses: Structure & Interpretation of Computer Programs (Python, SQL), Data Structures (Java), Assembly Language Programming (Assembly), Advanced Programming with C and C++, Discrete Math and Probability, Circuits and Devices

EXPERIENCES

Lea by Legali - Software Engineering Internship

Berkeley, CA

Frontend Development Intern

May 2026 - Present

- Implemented an avatar visibility toggle across web (Next.js/React) and mobile (Flutter) for user privacy and accessibility
- Enhanced the conversational UI experience by developing a real-time voice waveform animation synced to AI call audio
- Increased user engagement by building a 12-question personality quiz with shareable, custom-branded result cards

HealthTile - Internship

Brentwood, CA

Technical Team Member

May 2025 - Aug 2025

- Streamlined outreach efficiency by building an automated API workflow to aggregate 1,000+ contact records
- Strengthened brand consistency across all digital channels by redesigning core marketing collateral
- Increased user engagement on the company website by optimizing the UI through targeted infrastructure updates

Pilipinx Association of Scientists Architects & Engineers (PASAE)

Berkeley, CA

Transfer Rep

May 2025 - May 2026

- Built community among transfer STEM students by organizing socials and resource events
- Guided 50+ community college students through the UC transfer process via outreach and club collaboration events
- Expanded transfer community engagement by coordinating joint events with 5+ Filipino student organizations

ASUC Senator Office

Berkeley, CA

Webmaster

Aug 2025 - Dec 2025

- Increased visibility for 10+ student organizations by designing and maintaining a community website on Canva
- Improved student engagement and information access by publishing content for 5+ events and announcements
- Enhanced usability for 100+ users by collaborating with a senator team to design intuitive layouts and navigation

PROJECTS

Micromouse DeCal — UC Berkeley IEEE | CircuitPython, PID Control, PCB Assembly

Jan 2025 - May 2025

- Built a fully functional autonomous robot by assembling a custom PCB with soldered sensors and motor drivers
- Achieved stable maze navigation by programming PID-based wall-following and turning logic in CircuitPython
- Delivered a fully autonomous maze-solving mouse by collaborating in a 2-person team to calibrate sensors and tune control parameters

Build Your Own World | Java

Jan 2025 - May 2025

- Created a dynamic, replayable game environment by building a procedurally generated 2D world engine in Java
- Enabled persistent gameplay by implementing avatar movement, input handling, and save/load functionality
- Strengthened team collaboration skills by coordinating development work with peers on a shared codebase

NBA MVP Predictor

Oct 2024 - Dec 2024

- Ranked NBA MVP candidates with top-5 accuracy using an ML pipeline trained on 30+ seasons of data
- Optimized ranking performance by evaluating models against RMSE and MAP@K metrics
- Improved real-world predictive reliability by implementing time-series cross-validation to prevent data leakage

Ethernet (Social Media App) | React, Appwrite, TypeScript, Tailwind CSS

Sep 2024 - Dec 2024

- Enabled secure user interactions by engineering a full-stack social platform with auth and profile management
- Improved app performance by implementing scalable data fetching with React Query's caching and parallel queries
- Delivered a seamless cross-feature experience by designing a responsive UI with Tailwind CSS and TypeScript

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, C/C++, HTML/CSS

Frameworks & Libraries: React, Node.js, Next.js, Three.js, Tailwind CSS

Developer Tools: Git, VS Code, PyCharm, Jupyter Notebooks, MongoDB, Arduino

Applications: DaVinci Resolve, Microsoft Excel, Microsoft Powerpoint, Adobe Photoshop