

Ethan 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

PROJECTS

NBA MVP Predictor | [GitHub](#)

Brentwood, CA

Personal Project

Dec 2024 - Jan 2025

- Engineered a machine learning model to predict NBA MVP winners with 80%+ accuracy using 15+ algorithms
- Scraped, clean, and analyzed 30+ seasons of player performance metrics with 20+ player stats
- Utilized python for feature engineering and data visualization, enhancing model interpretability

Ethernet - Social Media App | [Demo](#) | [GitHub](#)

Brentwood, CA

Personal Project

Nov 2024 - Dec 2024

- Developed a secure full-stack social media app with authentication, post creation, and user profile management
- Enhanced performance by 25% with React Query and Appwrite backend integration, ensuring scalability
- Designed and implemented a responsive UI using Tailwind CSS, increasing user engagement and retention

EtherPrint - Custom Shirt Maker | [Demo](#) | [GitHub](#)

Brentwood, CA

Personal Project

Aug 2023 - Sep 2023

- Developed an interactive 3D web application to customize t-shirts utilizing React.js and Three.js
- Integrated image upload features and AI-generated design suggestions based on user prompts, enhancing creativity
- Allowed users to download their designs, increasing direct engagement and satisfaction

EXPERIENCES & ACTIVITIES

Pilipinx Association of Scientists Architects & Engineers (PASAE)

Berkeley, CA

Transfer Rep Intern

Sep 2024 - Present

- Assisted in organizing socials and resource events, benefiting 50+ transfer STEM students
- Expanded the transfer resource page with 15+ academic opportunities and networking resources
- Collaborated on events to foster integration and community building for the Berkeley transfer community

Open Project (Computer Science Club)

Berkeley, CA

Technical Team Member

Sep 2024 - Dec 2024

- Optimized a Spotify playlist analyzer using Python and the Spotify API to extract and organize data for 1000+ songs
- Extracted and analyzed 8+ attributes such as track name, artist, album, genre(s), duration, danceability, energy, tempo
- Delivered organized, readable results via spreadsheets, simplifying data usability for team collaboration

Los Medanos College

Pittsburg, CA

Math Tutor

Nov 2022 - May 2023

- Delivered tailored tutoring sessions to 15+ students weekly, improving academic performance by an average of 20%
- Taught Algebra, Calculus (I-III), Linear Algebra, and Differential Equations with a 90% student satisfaction rate
- Designed personalized lesson plans and study strategies, helping students improve by at least one letter grade

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 Office 365, Adobe Photoshop