

# Ethan Escat

U.S. Citizen | Brentwood, CA | [ethan\\_escat@berkeley.edu](mailto:ethan_escat@berkeley.edu) | (510)-283-4205 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Schedule Meeting](#)

## 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

## WORK EXPERIENCE

**Los Medanos College**

**Pittsburg, CA**

*Mathematics 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), and Linear Algebra with a 90% student satisfaction rate
- Designed personalized lesson plans and study strategies, helping students improve by at least one letter grade

## PROJECTS

**EtherPrint - Custom Shirt Maker | [Demo](#) | [GitHub](#) | React JS, Three JS, OpenAI, Node JS**

Aug 2023 - Sep 2023

- Developed an interactive 3D web application enabling users to customize t-shirt designs in real-time
- Integrated image upload features and AI-generated design suggestions based on user prompts
- Enabled users to download their designs, driving engagement with a seamless user experience

**Ethernet - Social Media App | [Demo](#) | [GitHub](#) | React JS, Appwrite, Tailwind CSS, TypeScript**

Nov 2024 - Dec 2024

- Built a full-stack social media app featuring secure authentication for user accounts
- Designed core features including post creation/editing, user profiles, and interactive features (likes/saves)
- Optimized data-fetching performance using React Query and integrated Appwrite backend, enhancing app stability

**NBA MVP Predictor | [GitHub](#) | Jupyter Notebook, Python, Machine Learning**

Dec 2024 - Jan 2025

- Engineered a machine learning model to predict NBA MVPs using 30+ seasons of data and 20+ player statistics.
- Achieved 80%+ prediction accuracy through Random Forest and other algorithms
- Built a scalable data pipeline to scrape, process, and analyze player performance metrics

## ACTIVITIES & LEADERSHIP

**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
- Enhanced the transfer resource page with academic opportunities and networking resources
- Helped manage events to integrate transfer students into the Berkeley STEM community

**Open Project (Computer Science Club)**

**Berkeley, CA**

*Technical Team Member*

Sep 2024 - Dec 2024

- Engineered a Spotify playlist analyzer using Python and the Spotify API
- Extracted 6 data points per song, including genre, album, duration, danceability, energy, and tempo
- Fetches the data of 1000+ songs and put this data onto an organized spreadsheet

## TECHNICAL SKILLS

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

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

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

**Applications:** DaVinci Resolve, Microsoft Office 365, Adobe Photoshop