

# Ethan Escat

U.S. Citizen | Brentwood, CA | [eescat@ethanescat.com](mailto:eescat@ethanescat.com) | (510)-283-4205 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

### University of California, Berkeley

Bachelor of Science in Electrical Engineering and Computer Science

Berkeley, California

Expected Graduation, December 2026

### Diablo Valley College

Associate of Science, Computer Science

- GPA 4.00/4.00, Dean's List

Pleasant Hill, California

June 2022 - May 2024

### Los Medanos College

Associate of Science, Mathematics

- GPA 4.00/4.00, Dean's List

Pittsburg, California

August 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

Mathematics Tutor

Pittsburgh, California

November 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 Design Platform | [Demo](#) | [GitHub](#)

Brentwood, California

Personal Project

August 2023 - September 2023

- Developed an interactive 3D web application allowing users to customize t-shirt designs in real-time
- Utilized React and Three.js to render a 3D t-shirt model with live interactivity
- Features include image uploads, AI-generated designs based on prompts, and downloadable results

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

Brentwood, California

Personal Project

November 2024 - December 2024

- Built a full-stack social media app using React.js, TypeScript, Appwrite, and Tailwind CSS with secure authentication
- Designed key features such as an explore page, post creation/editing, user profiles, and post interactions (likes/saves)
- Optimized performance through React Query for data fetching and Appwrite backend integration

### NBA MVP Predictor | [GitHub](#)

Brentwood, California

Personal Project

December 2024 - January 2025

- Created a machine learning model to predict NBA MVPs using data from 30+ seasons 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, California

Transfer Rep Intern

September 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

## 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

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