

Ethan Escat

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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

Pittsburgh, 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, achieving a 90% satisfaction rate among students
- Designed personalized lesson plans and study strategies, helping students increase their grade by a letter

PROJECTS

EtherPrint - Custom Shirt Design Platform

Personal Project

Brentwood, California

August 2023 - September 2023

- Developed an interactive 3D web application enabling users to customize a blank t-shirt to their imagination.
- Utilized React and Three.js to create and render a 3D t-shirt model with real-time interactivity.
- Allows user to upload images on the shirt, generate AI art designs with any prompt, and download the design

Ethernet - Social Media App

Personal Project

Brentwood, California

November 2024 - December 2024

- Full-stack social media app using React.js, TypeScript, Appwrite, and Tailwind CSS with a secure authentication system
- Designed key features such as an explore page, post creation and editing, user profiles, liking and saving posts
- Enhanced performance by using react query integration for data fetching and Appwrite as the backend storing data

NBA MVP Predictor

Personal Project

Brentwood, California

December 2024 - January 2025

- Developed a machine learning model to predict the NBA MVP using data from 30+ seasons and 20+ player statistics
- Achieved a prediction accuracy of 80%+ using 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)

Transfer Rep Intern

Berkeley, California

September 2024 - Present

- Organized socials and resource events, benefiting 50+ transfer STEM students
- Spearheaded the creation of a transfer resource page, improving accessibility to academic opportunities
- Facilitated networking 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

Applications: DaVinci Resolve, Microsoft Office 365, Adobe Photoshop