Ethan Escat

U.S. Citizen | Brentwood, CA | 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**
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

PROJECTS

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, enabling direct engagement and satisfaction

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
- Delivered a responsive and intuitive UI using Tailwind CSS, increasing user engagement and retention

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

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
- 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*
- Engineered 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

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