

James Dinh

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Experience

Catalyze SV, Frontend Web Developer

Jun 2023 – present

Community-engaging Property Development Organization

- ❖ Improved an interactive map that displays nearby development projects in the Bay Area by condensing information and buttons, helping to connect the public to property developers
- ❖ Developed a sort-through filter menu to easily locate nearby projects which improved user experience

Gavilan College Summer Internship, Research Intern

Jun – Aug 2022

Physics and Arduino Programming Internship, advised by Dr. Sewan Fan (Gavilan Physics Dept.)

- ❖ Constructed a water-powered rocket that saves custom Arduino accelerometer circuit data in order to analyze changes in temperature, height, and pressure

Education

De Anza College

Sep 2023 – present

Computer Science Transfer

- ❖ **GPA:** 3.95
- ❖ **Relevant Coursework:** Calculus, Statistics, Data Abstraction & Structures, R Programming
- ❖ **Clubs/Orgs:** Open Source San Jose

Gavilan College, Dual Enrollment with High School

Aug 2019 – May 2023

AS Computer Programming, AA Natural Science, AA Liberal Arts

- ❖ **GPA:** 3.95
- ❖ **Relevant Coursework:** C#, C++, Discrete Structures, HTML, Java, Python, Unix/Linux
- ❖ **Clubs:** Computer Science Club (President), Gavilan Engineering and Research Club

Activities

Gilroy Hacks, Co-Founder, Event Director – <https://gilroyhacks.com/>

Jan 2022 – Jun 2023

Student-led High School Hackathon operated under Hack Club Bank, a 501(c)(3) nonprofit

- ❖ Managed event logistics and coordinated outreach for 2 hackathons that served 50+ local students
- ❖ Led 25+ meetings and raised over \$2,000 in funding to buy prizes, food, and swag

Gilroy Youth Commission, Youth Commissioner

Oct 2022 – May 2023

Youth Advisory Board to Gilroy City Council

- ❖ Actively planned and discussed 5+ youth community events serving 300+ total youth across Gilroy, created a work schedule for the commission, provided feedback and suggestions for future events

Projects

American Sign Language (ASL) Recognition ML App – <https://jamesvdinh.github.io/asl-app/>

Jan – Apr 2023

MediaPipe, TensorFlow, Python Application that assists Deaf/Hard of Hearing individuals

- ❖ Utilized MediaPipe and TensorFlow to train a model using a dataset of 87,000 images from the NIDCD
- ❖ Implemented a TensorFlow model to recognize ASL letters from a computer webcam

Principal Component Analysis (PCA) Research Project – <https://github.com/jamesvdinh/PCA>

Oct – Dec 2021

Mathematical Concept Explanation, advised by Professor El Ghaoui (UC Berkeley EECS Dept.)

- ❖ Authored a concise article that explains the concept of PCA and examples of real-world applications
- ❖ Created a program that calculated and plotted vector projections using Python and Matplotlib

Additional Skills & Interests

- ❖ Leadership: Gilroy Hacks Event Director (1.5 yr), GECA Class Secretary (2 yrs), CS Club President (1 yr)
- ❖ Programming/Markup languages: C++, Java, Python, C#, HTML, CSS, JavaScript, React
- ❖ Titles: Recreational Pianist, Web Developer, UI Designer, Web Designer