

DAIVIK VENNELA

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EDUCATION

University of California, Berkeley, CA - B.A., *Data Science and Economics*

- *Relevant Coursework:* CS C88C, Data C8 | *Clubs:* Sports Business and Analytics(Projects Team), **Golden Records Music**(Marketing Lead), **Motorsport Mechanics of Berkeley**(Marketing Lead)

San Mateo Community College District, San Mateo CA - *Concurrent Enrollment*

- PSYC 100, PSYC 330, ASTR 100, HSCI 100, COMM 110, COMM 130, MATH 115, MATH 120, MATH 130, MATH 200, CIS 110, CIS 117, CIS 121, CIS 254, CIS 255, CIS 256, CIS 501, BIOL 310, EMC. 425

Carlmont High School, Belmont CA - 9-12th Cumulative GPA Unweighted/Weighted : 3.92/4.3

- EC's: Varsity Baseball | Robotics | Fav Courses: AP Bio, Multivariable Calc, AP European History

EXPERIENCE

Cofounder - *ClaraTear and MyStent, San Francisco, CA*

Aug 2024 - Current

- **MyStent:** Biomedical hardware start developing an adjustable cardiovascular stent to limit surgeries
- Raised 50k+ in funding, MIT solve Semi-Finalist, California Life Sciences Award, iDEA pitch award
- **ClaraTear:** Developing a startup centered around extracting and analyzing biomarkers from tears

Popcorn AI: *Director of Marketing, Intern, San Francisco CA*

Sept 2024 – Current

- Marketing director for a google backed startup Vibee, based in Berkeley, CA.
- Implementing Gpt-4o into a social media app that connects students across different backgrounds

Full Stack Developer, AI Engineer - *Hidden Underground, San Carlos, CA*

Aug 2024 - October 2024

- Built an API that connects to OpenAI's GPT-4 and processes business logos for explicit content.
- Used JavaScript to integrate into the company's website and Azure to deploy into the cloud
- Working on a React.js app to build a test webpage for the API to test on client data.

Data Scientist - *E-Worlds Enterprise Solutions, Honolulu HI*

June 2024 - August 2024

- Developed a Generative AI tool using FastAPI for the Hawaiian Government that processed over 1 million legal documents in the form of pdfs for requested keywords
- Used prompt engineering to communicate with Gemini, and get specific info on signatures, names, dates and more. Developed Python Web Application with StreamLit and demoed to the exec team.

Research Intern- *Stanford Medicine, Neurosurgery, Palo Alto CA*

Jul 2022 - Aug 2022

- Researched Virtual Reality in the context of medicine, military and education; presented to program alumni; Later delivered [TedX talk](#): "How Virtual Reality Can Save Lives" which used this research and applied it to a broader more interdisciplinary context.

PROJECTS

Artemis - Berkeley based startup

Dec 2024 - Current

- Developing a full stack mobile ecommerce application for luxury instagram brands

Tampa Bay Rays - Sports Business and Analytics Group at Berkeley

Sep 2024 - Dec 2024

- Built a regression model to analyze trade value for picks in the MLB draft. Created a custom metric to rank valuable picks in the MLB and adjusted them based on the incoming draft class.

Kaggle ISIC - Skin Cancer Detection with 3D-TBP Competition

July 2024 - Sep 2024

- Using Keras to build a deep learning model that can identify skin cancers and training the model on images on 1.35 GB of training data. Currently exploring different models.

3-D Developer Portfolio Website

August 2024 - Dec 2024

- Using Three.js, React.js and Tailwind CSS to create a public website that uses a 3-D interactive environment from blender to host my personal profile with my resume, projects, passions and more.

Skills: |AWS Cloud Architecture/Java/Python/SQL/Pandas/JavaScript/UNIX/LINUX/GoogleCloud/AWS

Cloud/VertexAI/React/Adobe/Blender/Unity/ Keras/Multivariable Calculus/Linear Algebra/Flutter

Flow/Bubble.io/Streamlit/Google Cloud/Machine Learning/Azure/Node.js/Docker/Adobe Premiere Pro/Adobe

Lightroom/Adobe Photoshop/Data Structures/PyTorch/Figma/SQL/Big Query

Awards & Certifications

Dean's List at San Mateo College (2020 - 2021) | Math Merit for Achievement Carlmont (2021 - 2024)|

National Spanish Exam (2023) |Vex IQ Robotics State Champions | Taekwondo Black Belt

Languages | Spanish(Conversationally Fluent) | Telugu(Native) | Hindi(Beginner)

Leadership | Research Club President, Varsity Baseball Captain, Robotics Media Lead

Interests | Film, Stocks, Poker, Quant, Producing Music, Graffiti, Guitar/Cello, MLB/NBA/NFL, Carti