CAMERON KEITH

Alamo, CA · (925) 984-5116 · cameron.s.keith.26@dartmouth.edu
[LinkedIn profile](), [personal website](), [portfolio]()

EDUCATION

Dartmouth College, Hanover, NH

Intended Masters in Computer Science   **June 2027**

Bachelor of Arts, intended double major in Computer Science and Economics: **GPA: 3.59/4.0**   **June 2026**

Citations of Merit: Foundations of Applied CS/ML, Full Stack Development, Video Understanding, and Security and Privacy

Relevant Coursework and Activities:
- CS: OOP (Fall '22), Software Design (Winter '23), Foundations of Applied CS/ML (Fall '23), ML (Winter '24), AI Video Understanding (Spring '24), Full Stack (Spring '24), Security and Privacy (Spring '25), NLP (Spring '25), Discrete Math (Fall '25), Cybersecurity Bleeding Edge (Fall '25), Algorithms (Winter '26)
- Econ: Statistical Methods (Spring '23), Intermediaries and Markets (Fall '23), Microeconomics (Winter '24), Macroeconomics (Spring '24), Competition and Strategy (Fall '24), Theory of Finance (Fall '24), Public Finance and Policy (Spring '25), Econometrics (Fall '25), Topics in Money and Finance (Winter '26)
- Clubs: Venture Studio, Magnuson Center for Entrepreneurship, Scholars of Finance, Quant Research, ACM, Rocket, Student Athlete Advisory Committee, Poker, and Chess

De La Salle High School, Concord, CA   **June 2022**

Honors/Awards: AJGA Rolex Scholastic All American, 2021 Junior Olympian of the Year, AP Scholar, National Merit Commended Scholar, California Scholarship Federation Sealbearer, Captain of Varsity Golf

SAT Score: 1510 (800 Math, 710 Reading/Writing) GPA 4.23

TECHNICAL SKILLS

Full Stack, LLM/VLMs, Python, PyTorch, LangGraph, ML, RAG, Pandas, Docker, MongoDB, MySQL, Redis, React, JS, C, Java

INTERNSHIPS AND TECHNICAL PROJECTS

AI and ML Intern   **June 2025 – Present**

Keyfactor
- Achieved SOTA accuracy in predicting enterprise X.509 certificate risk with custom ML and AI models.
- Wrote a research paper on our findings, and we submitted it to [IEEE Security and Privacy 2026]().

AI Researcher   **January 2025 – Present**

Dartmouth College
- Designed a framework to make AI vision models more efficient and achieve high performance.
- I will submit our research paper to a conference in Q1 2026.

Startup Founder   **November 2024 - Present**

Brama AI
- Developing AI-powered investment tools to democratize sophisticated financial research for every investor.
- Built a team of buy-side AI agents (e.g., PM, Fundamentals, Risk) to construct public equity portfolios based on user preferences, risk profile, comps, what-if scenarios, and more: [deployed website]().

Quant Research and AI Intern   **June 2024 – August 2024**

Trivariate Research
- Implemented a fully-automated python data pipeline to collect, clean, and store publicly available data.
- Data pipeline supports their quantitative and fundamental research.

Video Action Machine Learning Competition   **March 2024**

Dartmouth College
- Achieved the highest test accuracy scores of 100% and 96.6% for the Binary and Multi 30-Class Classifiers, respectively.
- Outperformed 200 CS students in both competitions and the next best scores by 10%.

LEADERSHIP & ADDITIONAL ACTIVITIES

Dartmouth Varsity Golf Team (NCAA D1)   **October 2022 – Present**

Student Athlete
- Led the team in the Alister Mackenzie Invitational hosted by CAL Berkeley.
- Won the Cornell v Dartmouth Stroke Play Match as an individual.

INTERESTS

Golf, Downhill Skiing, Chess, Table Tennis, AI LLMs, Proficient in Spanish, Tennis, Drone Photography

CAMERON KEITH

Alamo, CA · (925) 984-5116 · cameron.s.keith.26@dartmouth.edu
[LinkedIn profile](#), [personal website](#), [portfolio](#)

ADDITIONAL NOTABLE PROJECTS

GUARD-AI: Governance and Runtime Defense for AI Agents   **October 2025 - November 2025**
Dartmouth College
- Designed a model agnostic framework to protect agentic systems.
- Wrote a technical paper to implement GUARD-AI [deployed website](#).

Artificial Intelligence and Machine Learning   **June 2023 - August 2023**
The University of Chicago
- Developed a quantitative time series model to predict prices of publicly traded REITs for the final project.
- Incorporated real-time sentiment analysis to enhance model performance.

Real time Earnings Calls Pipeline   **March 2025 - June 2025**
Dartmouth College, Brama AI
- Created a pipeline to transcribe earnings calls to text and make trades based on hard and soft drivers.
- Fine-tuned an ASR model on 5000 hours of earnings calls.
- Trained a custom sentiment LLM model to extract hard and soft drivers.

WhisperChain+ - End-to-End Encrypted Messaging Platform   **April 2025 - May 2025**
Dartmouth College
- Built a Full Stack React.js app with user, moderator and admin roles: [deployed website](#).
- Added multi-factor one time email verification codes.
- All messages are fully encrypted with RSA-OAEP, SHA-256.

Moves AI App   **May 2024 – June 2024**
Dartmouth College
- Social media app to help friends plan their perfect itinerary based on their preferences.
- Determined their preferences through a series of yes/no questions.
- Fed their preferences and all relevant information around the area into a custom deployed LLM.

Perfect Strike - Hit tour level golf shots   **June 2024**
Dartmouth College
- Designed a custom golf [training aid](#) to help improve putting.

MongoDB Collaborative Notes Website with Auth   **May 2024**
Dartmouth College
- Golf Collaborative Social Media App where users can post their favorite courses or golf content.
- Added custom authentication and CRUD functionality: [deployed website](#).

Firebase Collaborative Notes App   **April 2024**
Dartmouth College
- Allows users to create, edit, and delete notes.
- The notes are stored in Firebase and are updated in real time.
- Built with React (JS and HTML).

Youtube Clone   **April 2024**
Dartmouth College
- Developed React Youtube App clone from scratch.
- Utilized Google Youtube API to power the [deployed website](#).

k-NN, Naive and Gaussian Bayes, and SVM Digit Classifiers   **March 2024**
Dartmouth College
- Designed k-NN classifier and achieved 94.7% accuracy.
- Earned 82.3% and 73.8% accuracy for my multinomial NB classifier with laplace smoothing and gaussian NB, respectively.
- Created a one vs all SVM classifier with 82% accuracy.

CAMERON KEITH

Alamo, CA · (925) 984-5116 · cameron.s.keith.26@dartmouth.edu
[LinkedIn profile](#), [personal website](#), [portfolio](#)

Logistic Regression and Perceptron Classifiers   **February 2024**
Dartmouth College
- Built original logistic regression and perceptron classifiers.
- Leveraged cross entropy loss and smooth ReLU for the LR and perceptron classifiers, respectively.

Regression with Gradient Descent   **January 2024**
Dartmouth College
- Implemented linear and non-linear models with gradient descent from scratch.
- Boosted the model performance with ridge and lasso regularizations.

Neural Network Digit Classifier   **November 2023**
Dartmouth College
- Built a neural network from scratch in Python to classify handwritten digits.
- Achieved the highest test accuracy score of 92.5% among 150 CS students in the NN competition.
- Won a citation of merit in Foundations of Applied CS/ML.

Poisson Image Blending   **October 2023**
Dartmouth College
- Implemented Poisson Image Blending and gradient-domain image processing.
- Blended source image into target image seamlessly.
- Preserved background image and changed only target image to maintain the gradient of the source region.

Forensic License Plate Recognition   **September 2023**
Dartmouth College
- Created algorithm to remove distortion of a planar surface and move one's perspective to face on.
- Solved homography matrix to map the old image to the new image.

Tiny Search Engine   **February 2023 - March 2023**
Dartmouth College
- Designed a tiny search engine from scratch in C.
- Composed project into crawler, indexer, and querier modules.
- Optimized efficiency with a hashtable to counter data structure.

Software Engineering Virtual Experience   **February 2023**
JP Morgan Chase & Co.
- Interfaced with a stock price data feed.
- Utilized JPMC frameworks and tools to visually display data for traders.

Parts of Speech Predictor   **September 2022 – November 2022**
Dartmouth College
- Created a 93% efficient model to output parts of speech for any text.
- Trained an original HMM with sentences and parts of speech data.

CO2 Race Car Project   **March 2022**
De La Salle High School
- Won a high school CO2 car race with the most aerodynamic and lightest car.
- Designed a unique car in Autodesk Fusion 360.
- Optimized aerodynamics of a race car in CFD virtual wind tunnel.
- Constructed car with 3D printed parts and CNC parts to optimize the center of mass.

Texas Hold-Em Xcode App   **May 2019**
De La Salle High School
- Developed a functional four-player Texas Hold-Em app in two weeks.
- Designed a user-friendly app with Xcode and Swift.