

Joseph Bae

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EDUCATION

San Francisco State University

San Francisco, United States

Bachelor of Science in Computer Science; AI-STAARS \$10,000 Scholarship Recipient

Aug. 2022 – May 2026

- Relevant Coursework: Analysis of Algorithms, Data Structures, Software Development, Machine Structures, Web Development, Programming Methodology.

Chung-Ang University

Seoul, South Korea

Study Abroad, Bachelor of Science in Computer Science

Feb. 2024 - July 2024

Relevant Coursework: Probability and Statistics with computing, Linear Algebra

EXPERIENCE

AI-STAARS

Jun. 2023 – Dec. 2023

San Francisco State University · Internship

San Francisco Bay Area · Hybrid

- Participated in an exclusive internship program designed for the top 1% of students in the Class of 2026, gaining hands-on experience in machine learning and artificial intelligence.
- Received advanced training and mentorship from industry experts while working on real-world AI/ML projects that enhanced technical skills.
- Awarded a \$10,000 scholarship in recognition of academic excellence and commitment to the field.
- Collaborated with peers on cutting-edge projects, developing practical skills in AI implementation and model development.

PROJECTS

Retro Pokemon | *Unity, C#*

Nov. 2024 – Dec. 2024

- Created a retro Pokémon game in Unity using C# with features like catching, turn-based battles, and trainer battles.

Brain Cancer ML Project | *Machine Learning, Python*

Nov. 2023

- Developed a machine learning model to analyze brain cancer MRI datasets, achieving a 99% success rate.
- Participated in Cal Hacks, a prestigious hackathon hosted by UC Berkeley, applying AI to real-world healthcare problems.

Windows File Automation | *Python, Watchdog*

2023

- Implemented real-time file monitoring and organization using Python's Watchdog library, reducing manual sorting by 80%.

AI-Image ChatBot | *Python, Flask, LLM*

2023

- Developed an AI-powered chatbot with multimodal LLM capabilities including image processing and real-time responses.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, C#, Assembly, MySQL, HTML/CSS

Technologies & Tools: Git, GitHub, Netlify, Unity, Flask, Watchdog, Raspberry Pi, Google Cloud, OpenAI, Llama (Meta AI), PyTorch, Scikit-learn, Pandas, Numpy, Linux/Unix

Areas of Expertise: AI/ML Development, Data Science, Front-end Development, Back-end Development, Project Management, Data Structures, Algorithms, Software Architecture, Web Development, Database Management, Neural Network, Figma

Languages: English (Native/Fluent), Korean (Native/Fluent)