

Brandon Lee Concepcion

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EDUCATION

University of California, Berkeley

B.A. Data Science, B.A. Computer Science

May 2027

GPA: 3.8/4.0

Coursework: Data Science Principles, Machine Learning Theory, Data Engineering, Statistics, Natural Language Processing, Deep Learning, Data Analytics, Computer Vision, Probability, Data Structures, Algorithms, Linear Algebra, Data Mining, Computer Programs, Data Analytics, Data Visualization

WORK EXPERIENCE

Machine Learning Intern

ZorroFi

Jun. 2025–Aug. 2025

San Francisco, CA

- Building an evaluation framework for a financial LLM agent using LangGraph, Docker, and Microsoft Azure
- Implementing custom chatbot evaluation metrics using LangSmith and LLM-based judgment, enabling A/B testing and driving a 15% gain in response reliability

Data Science Intern

JamBase

Jan.–May 2025

San Francisco, CA

- Spearheaded development of an intelligent chatbot using Google Cloud Platform, Pinecone, and LangChain
- Engineered a scalable, hybrid query pipeline combining SQL, BigQuery ML, ARIMAX, and Retrieval-Augmented Generation (RAG), improving data analysis time by **50%** for 45+ concert managers
- Reduced chatbot latency by **40%** through ETL pipeline optimizations and A/B testing of LLM routing strategies and prompt engineering techniques

Data Science Intern

Doctors Without Borders

Aug.–Dec. 2024

Remote

- Architected an early-warning model for crisis response teams using Python and PyTorch to identify regions at high risk of political unrest, achieving **93%** accuracy
- Implemented Tableau dashboards to visualize conflict severity and fatality forecasts, supporting humanitarian teams across 65+ conflict zones and improving response planning by **35%** for 20 facilitators

Data Engineering Instructor

UC Berkeley

Jun.–Dec. 2025

Berkeley, CA

- Developing and deploying 15 course assignments with GitHub Actions for CI/CD, integrating PostgreSQL, S3, and Spark for backend data processing workflows, while using Jekyll and Ruby for website management

President & Data Science Manager

Data Science Society at Berkeley

Dec. 2024–Dec. 2025

Berkeley, CA

- Directing strategy and operations for UC Berkeley's oldest data science organization, overseeing 6 consulting projects with Fortune 500 clients including Walmart, SoFi, and Mattel to generate **\$100,000** in revenue

PROJECTS

EyeSpy AI: Generative Retinal Videos 🧐 | PyTorch, Machine Learning, Generative A.I.

Nov. 2023

- Developed a generative pipeline combining a Variational Autoencoder (VAE), a Long Short-Term Memory (LSTM), and a Gated Recurrent Unit (GRU) to generate realistic retinal disease progression videos

SKILLS AND INTERESTS

Languages: Python, Java, SQL, RegEx, LaTeX, HTML, Microsoft Excel

Tools: Pandas, PyTorch, NumPy, Docker, Sklearn, LangChain, LangSmith, Seaborn, PostgreSQL, Azure, MongoDB

Skills: Cloud Computing, Git, Clustering, Data Models, Ensemble Learning, Boosting, Hypothesis Testing, Big Data, Gradient Descent, K-NN, Linear Regression, Logistic Regression, Random Forests, Web Development, API Integration

Soft Skills: Communication Skills, Adaptability & Flexibility, Teamwork and Collaboration, Organizational Ability, Simple and Creative Problem Solving, Leadership, Critical-Thinking, Writing Skills, Self-Starter, Decision Making, Cross-Functional

Personal Interests: Photography, Movies, Gym, Dogs, Marvel Studios, The Flash, Harry Potter, Michael Jordan