

Martín Eduardo Bravo Díaz

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CAREER OBJECTIVE

Aspiring MEng student at UC Berkeley, aiming to leverage machine learning and AI expertise to lead innovative technology projects and contribute to solving global challenges.

EDUCATION

KTH Royal Institute of Technology

Stockholm, Sweden

Visiting Student, Machine Learning

August 2024 – June 2025

- Coursework: Advanced Machine Learning, Advanced Deep Learning, and Project Management
- Member of the KTH AI Society club, collaborating on projects and attending workshops.

University of Chile

Santiago, Chile

Bachelor of Science in Computer Science and Engineering

March 2021 – July 2025

- Ranked #1 out of 120 students; awarded Full Scholarship for Academic Excellence.
- Outstanding Student Award recipient in 2021, 2022, and 2023 for academic and extracurricular contributions.
- Teaching Assistant for Data Structures and Algorithms, Programming, and Calculus courses.

EXPERIENCE

Hopsworks AI

Stockholm, Sweden

Machine Learning Engineer Intern

January 2025 – Present

- Developing a federated learning platform for privacy-preserving machine learning, leveraging PySyft and Hopsworks.
- Collaborating with a team of engineers to design and implement a scalable, secure, and user-friendly platform.

SoyMomo - AI Products for Family Safety

Santiago, Chile

Machine Learning Engineer Intern

December 2023 – August 2024

- Built the HeyMomo digital assistant using LangChain, AWS, and Node.js/Express.js, creating a child-friendly, interactive experience developed within an Agile framework to enable rapid iteration and user feedback.
- Collaborated closely with product managers, designers, and engineers to align goals, optimize performance, and ensure seamless integration into SoyMomo's products.
- Deployed a baby cry classification model on Azure ML, achieving 92% accuracy in detecting needs such as hunger and discomfort, with continuous monitoring for real-time performance.
- Designed and implemented a data pipeline to process audio samples, converting them into standardized 8-second clips, extracting key features, and preparing data for model training.

National Center for Artificial Intelligence

Santiago, Chile

Student Intern

September – December 2023

- Fine-tuned Stable Diffusion for a museum exhibit, configuring Automatic1111 to generate theme-based art on museum hardware.
- Built a user interface on tablets using HTML/CSS/JS and Flask, allowing visitors to generate personalized images.

University of Chile

Santiago, Chile

Undergraduate Guided Research Project

April – September 2023

- Developed a virtual museum of archaeological sculptures using Unreal Engine 5 and NeRF neural networks.
- Reviewed research on interpretability techniques in classification algorithms based on Dempster-Shafer theory.

Comtec Global

Santiago, Chile

Summer Intern

January – February 2023

- Enhanced predictive ML models for the Public Defender's Office, focusing on feature engineering and model tuning with Scikit-Learn and LightGBM. Improved model accuracy by 6% through hyperparameter optimization.