USA
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Jorge Barrios

Work

Google - Software Engineer — 2023 - Now

- Focus: Generative AI for Labs (Gemini API).
- Launched 3 LLM tokenization endpoints for the Gemini API.
- Enabled the “paid tier” through a token-based metered billing module.

Google - Software Engineer — 2021 - 2022

- Focus: Natural-language understanding for Search Feed (Discover).
- Built and launched multimodal content classifiers spanning 100+ languages.
- Wrote self-supervised pipelines that predict user behavior.

Google - Software Engineering Intern — Summer 2020

- Focus: Recommender systems for Search Feed (Discover).
- Designed and wrote a custom attention layer (+0.2% accuracy).
- Found and fixed a critical bug in a production Deep Learning library.

Skills

Languages: Python, C++, JavaScript, SQL, Go.
Software: TensorFlow, Postgres, React, AWS, Git.
Spoken Languages: English, Spanish.

Honors

- Social events lead for 2K+ Nooglers. 2022
- Top GPA in graduating class. 2020
- ACM-ICPC Mexico finalist. 2020

Projects

N-Body Simulation - github.com/jorgebarmza/n-body-simulation — 2020

- Built a 3D celestial mechanics simulation of bodies interacting in space.
- Applied Newton's laws, ODE numerical integration, and WebGL rendering.

Tiger Compiler - github.com/jorgebarmza/tiger — 2020

- Implemented a compiler front-end for Tiger, a small imperative language.
- Programmed in ML, a functional language. Lexed and parsed with Lex and Yacc.

Mariappchi - mariappchi.mx — *2017*

- Cofounded a mariachi booking app with 1K+ users in Mexico City.
- I led business operations, marketing, UX, and back-end development.

Education

Tecnológico de Monterrey - B.S. Computer Science — 2016 - 2020
- Summa Cum Laude.

Chinese University of Hong Kong - Visiting Student — Spring 2019
- Theoretical computer science.

Coursera - Deep Learning Specialization — Fall 2018
- Architectures and optimization.