Jorge Barrios

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Work

Google - Software Engineer III (L4)   2023 - Now

- Focus: Generative AI for Labs (Gemini API).
- Launched an MVP feature per month—on microservices for public APIs.
- Designed, built, and owned 3 LLM tokenization endpoints.

Google - Software Engineer II (L3)   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—recall +20%.

Google - Software Engineering Intern   Summer 2020

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

Skills

Programming Languages: C++, Python, SQL, Lisp, Go
Software: TensorFlow, Kubernetes, NoSQL, 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/itsjorgebar/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/itsjorgebar/tiger   2020

- Implemented a compiler front-end for *Tiger*—a small imperative language.
- Wrote it in a functional language (ML); lexed and parsed with Lex and Yacc.

Mariappchi - mariappchi.mx   *2017*

- Cofounded a mariachi booking app; gathered 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.