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Jorge Barrios

Work

Google - Software Engineer III (L4)   Now

- Focus: Generative AI APIs.
- Designed and implemented core server handlers powering the PaLM API.
- Owned and maintained tokenization endpoints for 10+ generative models.

Google - Software Engineer II (L3)   2021

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

Google - Software Engineering Intern   2020

- Focus: Recommender systems for Discover.
- Designed and wrote a custom attention layer; ranking accuracy soared.
- Found and fixed a critical bug in a production deep learning library.

Skills

Programming Languages: C++, Python, SQL, ML
Software: TensorFlow, Linux, LaTeX, 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   2020
- *Summa Cum Laude*

Chinese University of Hong Kong - Undergraduate Exchange Program   2019
- Advanced curriculum in computer science.

Coursera - Deep Learning Specialization   2018
- Five-course specialization in deep neural networks.