

Jorge Barrios

Work

Google - Software Engineer	2023 - Now
<ul style="list-style-type: none">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	2021 - 2022
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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

Honors

Languages: Python, C++, JavaScript, SQL, Go.	<ul style="list-style-type: none">Social events lead for 2K+ Nooglers.	2022
Software: TensorFlow, Postgres, React, AWS, Git.	<ul style="list-style-type: none">Top GPA in graduating class.	2020
Spoken Languages: English, Spanish.	<ul style="list-style-type: none">ACM-ICPC Mexico finalist.	2020

Projects

N-Body Simulation - github.com/itsjorgebar/n-body-simulation	2020
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Summa Cum Laude.	
Chinese University of Hong Kong - Visiting Student	Spring 2019
<ul style="list-style-type: none">Theoretical computer science.	
Coursera - Deep Learning Specialization	Fall 2018
<ul style="list-style-type: none">Architectures and optimization.	