

Jorge Barrios

Work

Google - Software Engineer III (L4)	Now
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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

Honors

Programming Languages: C++, Python, SQL, ML	<ul style="list-style-type: none">• Social events lead for 2K+ nooglers	2022
Software: TensorFlow, Linux, LaTeX, 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 <i>Tiger</i>—a small imperative language.• Wrote it in a functional language (ML); lexed and parsed with Lex and Yacc.	
Mariappchi - mariappchi.mx	2017
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• <i>Summa Cum Laude</i>	
Chinese University of Hong Kong - Undergraduate Exchange Program	2019
<ul style="list-style-type: none">• Physics and Computer Science.	
Coursera - Deep Learning Specialization	2018
<ul style="list-style-type: none">• Architectures and optimization.	