

# Jorge Barrios

## Work

<b>Google - Software Engineer</b>	2023 - Now
<ul style="list-style-type: none"><li>Focus: Generative AI for Labs (<a href="#">Gemini API</a>).</li><li>Launched 3 LLM tokenization endpoints for the Gemini API.</li><li>Enabled the “paid tier” through a token-based metered billing module.</li></ul>	
<b>Google - Software Engineer</b>	2021 - 2022
<ul style="list-style-type: none"><li>Focus: Natural-language understanding for Search Feed (<a href="#">Discover</a>).</li><li>Built and launched multimodal content classifiers spanning 100+ languages.</li><li>Wrote self-supervised pipelines that predict user behavior.</li></ul>	
<b>Google - Software Engineering Intern</b>	Summer 2020
<ul style="list-style-type: none"><li>Focus: Recommender systems for Search Feed (<a href="#">Discover</a>).</li><li>Designed and wrote a custom attention layer (+0.2% accuracy).</li><li>Found and fixed a critical bug in a production Deep Learning library.</li></ul>	

## Skills

## Honors

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

## Projects

<b>N-Body Simulation</b> - <a href="https://github.com/itsjorgebar/n-body-simulation">github.com/itsjorgebar/n-body-simulation</a>	2020
<ul style="list-style-type: none"><li>Built a 3D celestial mechanics simulation of bodies interacting in space.</li><li>Applied Newton's laws, ODE numerical integration, and WebGL rendering.</li></ul>	
<b>Tiger Compiler</b> - <a href="https://github.com/itsjorgebar/tiger">github.com/itsjorgebar/tiger</a>	2020
<ul style="list-style-type: none"><li>Implemented a compiler front-end for Tiger, a small imperative language.</li><li>Programmed in ML, a functional language. Lexed and parsed with Lex and Yacc.</li></ul>	
<b>Mariappchi</b> - <a href="https://mariappchi.mx">mariappchi.mx</a>	2017
<ul style="list-style-type: none"><li>Cofounded a mariachi booking app with 1K+ users in Mexico City.</li><li>I led business operations, marketing, UX, and back-end development.</li></ul>	

## Education

<b>Tecnológico de Monterrey</b> - B.S. Computer Science	2016 - 2020
<ul style="list-style-type: none"><li>Summa Cum Laude.</li></ul>	
<b>Chinese University of Hong Kong</b> - Visiting Student	Spring 2019
<ul style="list-style-type: none"><li>Theoretical computer science.</li></ul>	
<b>Coursera</b> - Deep Learning Specialization	Fall 2018
<ul style="list-style-type: none"><li>Architectures and optimization.</li></ul>	