

Jorge Barrios

Work

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| Google - Software Engineer III (L4) | 2022 - Present |
| <ul style="list-style-type: none">• Focus: Generative AI APIs.• Designed and implemented core server handlers powering the PaLM API (I/O 2023).• Owned and maintained tokenization endpoints for 10+ generative models. | |
| Google - Software Engineer II (L3) | 2021-2022 |
| <ul style="list-style-type: none">• Focus: Natural-language understanding for Discover.• Built and launched multimodal content classifiers spanning 100+ languages.• Constructed and deployed self-supervised pipelines that predict user behavior. | |
| Google - Software Engineering Intern | Summer 2020 |
| <ul style="list-style-type: none">• Focus: Recommender systems for Discover.• Designed and implemented a custom attention layer; ranking accuracy soared.• Found and fixed a critical bug in a production deep learning library. | |

Skills

Programming Languages: C++ (proficient), Python (proficient), SQL, Matlab, OCaml
Software: TensorFlow, Keras, Scikit-Learn, Pandas, Jupyter, Excel, MySQL, AWS, Linux, Git, LaTeX
Spoken Languages: English (native), Spanish (native), French (limited working proficiency)

Projects

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| N-Body Simulation - github.com/jorgebarmza/n-body-simulation | 2020 |
| <ul style="list-style-type: none">• Built a CGI web app to run dynamic simulations of classical mechanics using numerical methods. | |
| Tiger Compiler - github.com/jorgebarmza/tiger | 2020 |
| <ul style="list-style-type: none">• Implemented a compiler front-end for the <i>Tiger</i> language; used functional programming. | |
| Mariappchi - mariappchi.mx | 2017 |
| <ul style="list-style-type: none">• Cofounded a mariachi booking app with 1K+ users; I led back-end development and UX design. | |

Education

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| 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">• Advanced curriculum in computer science. | |
| Coursera - Deep Learning Specialization | 2018 |
| <ul style="list-style-type: none">• Five-course specialization in deep neural networks. | |

Achievements

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| <ul style="list-style-type: none">• Noograde lead; organized events for 2K+ employees | 2022 |
| <ul style="list-style-type: none">• Top GPA in graduating class | 2020 |
| <ul style="list-style-type: none">• ACM-ICPC Mexico finalist | 2020 |