Iago Mendes

Software Engineer

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Education

Bachelor's Degree, Oberlin College
Computer Science & Physics Double Major **Spring 2021 – Fall 2024**

- Overall GPA: **4.01** / 4.00. Major GPA: **4.03** / 4.00.
- STRONG (Science and Technology Research Opportunities for a New Generation) Scholar
- John F. Oberlin Scholarship Recipient
- Relevant Coursework:

Data Structures (**Java**)	Systems Programming (**Bash**, **C**)	Algorithms
Programming Abstractions (**Racket**)	Computer Architecture (**Assembly**)	Theory of Computation
Computational Modeling (**Python**)	Database Systems (**SQL**, **PHP**)	Machine Learning

Work Experience

Google – Bay Area, CA
Software Engineer Intern, Wear OS **Summer 2023**

- Used **Java** and **C++** to develop features on the **Android** operating system for smartwatches.
- Collaborated with my team and others, including managers, input engineers, and UX designers.

Training Software Engineer Intern, Google Assistant **Summer 2022**

- Used **Angular** (**TypeScript**) to create reusable components for Google's issue-tracking platform.
- Completed entire development process: design doc, implementation, documentation, and launch.

Oberlin College – Oberlin, OH
Resident Assistant, Underrepresented in STEM House **Fall 2021 – Present**
Teaching Assistant **Fall 2022 – Present**

- Courses: Mechanics & Relativity, Electromagnetism & Thermo., and Programming Abstractions.

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Research

California Institute of Technology (Caltech)
Summer Undergraduate Research Fellowship (SURF) **Summer 2024**

- Will implement a **C++** code for controlling black-hole initial parameters in computer simulations.

Oberlin College
Academic Research, Honors Thesis **Fall 2021 – Present**

- Developed a **C++** algorithm for describing black-hole surfaces in high-performance computing clusters.

Projects & Leadership

Star View starview.one

- Developed app & website for stargazing conditions.
- **10k+** installs & **1k+** active users on Google Play.

Hyperbolic Spectral Solver bit.ly/HySpec

- Solved hyperbolic eqns. with **spectral methods**.