

Iago Mendes

Software Engineer

</> iagomendes.com
github.com/iago-mendes
in linkedin.com/in/mendes-iago

☎ 440-581-2598
✉ iagobrazmendes@gmail.com

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

SWE Intern, Wear OS

Summer 2023

- Used **Java** and **C++** to develop features on the **Android** operating system for smartwatches.
- Worked on three parts of the codebase, completing two additional projects beyond the initial scope.
- Collaborated with my team and others, including managers, input engineers, and UX designers.

STEP Intern, Google Assistant

Summer 2022

- Used **Angular** (**TypeScript**) to create reusable components for Google's issue-tracking platform.
- Used **Sass** and **Angular Material** to build a modern, intuitive UI with support for themes.
- Completed the entire development process: design doc, implementation, documentation, and launch.

Cruz Representações – Brazil (local sales company)

Full-Stack Developer

August 2020 – August 2021

- Used **React** (**JavaScript**) to build two front-end applications: an E-Commerce and an Admin System.
- Used **Node.js** to create a back-end server for **1,000+** clients, supporting offline access, spreadsheets, etc.

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**.