

Marcelo Hernandez

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Education

- Google, Tech Exchange** Jan 2024 - Present
- Mentored by Googlers while completing accredited coursework including *Algorithms & System Design*, *Intro to Software Engineering*, and *Careers in Tech*.
- Florida International University, BS in Computer Science** Aug 2024 – Present
- Participated in extracurricular activities with *SHPE* and *INIT*, while completing coursework including *Programming I and II*, and *Data Structures*.
- Miami Dade College, AA in Computer Science** Aug 2022 – July 2024
- Completed coursework including *Calculus*, *Intro to Java*, *Intro to C++*, and *Discrete Mathematics*.

Experience

- Computer Science Tutor, Miami Dade College** Feb 2023 – Present
- Worked with my team of over 10 tutors to provide *over one hundred students* with insight on implementing and using data structures such as linked lists and creating projects utilizing Java, C/C++, SQL, and Python, *increasing the students' grade point average by 15%* as well as their class participation.

Competitions

ICPC 2023 USA Southeast Regional

Won **silver medal** in Division 2 as part of the *Miami Dade College CyberSharks*, solving the proposed challenges using both Java and Python.

Projects

- atmpt** | Rust, Github CI, Command-Line github.com/marcelohdez/atmpt
- Easily create temporary coding projects to open in your editor, primarily for programming tutors, **increasing productivity greatly** as it removes the need to set up a new project to test or show an idea.
- Bedroom** | Java github.com/marcelohdez/bedroom
- An order and performance tracking program primarily for call center agents, **improving worker efficiency by 20%**, as well as providing historical insight to visualize trends.
- Define4Me** | Java, MVC, JSON, a REST API github.com/marcelohdez/Define4Me
- Uses the **Free Dictionary API** and parses its **JSON** responses in order to define a list of words pasted in.
 - Built using a **Model-View-Controller (MVC)** architecture.
- dim** | Rust, Github CI, Command-Line, TOML Parsing github.com/marcelohdez/dim
- Native Wayland screen dimmer, primarily for Linux users who would like to script automatic screen dimming themselves with configurable opacity.
- ImageToText** | Java, MVC github.com/marcelohdez/ImageToText
- Converts any image supported by Java's ImageIO class into ASCII text for you to copy.
 - Built using a **Model-View-Controller (MVC)** architecture.

Skills

Languages: Java, JavaScript, Go, Rust, C/C++, Bash

Technologies: React, NextJS, Vercel, Git/Hub, Linux, JetBrains IntelliJ, Vim