

Octavio Plate

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EDUCATION

Georgia Institute of Technology Atlanta, US

May 2026

BS in **Industrial Engineering**, Minor in **Computer Science**

GPA 3.88

- Relevant courses: **Data Structures and Algorithms, Object Oriented Programming, Data Manipulation and Visualization, Probability with Applications**, Accounting, Linear Algebra, Multivariable Calculus
- Clubs: SHPE, ALPFA, Data Science Club (DSGT).

EXPERIENCE

Grupo AEX, Asunción, Paraguay

Jul 2021 – Present (Remote)

Continuous Improvement Engineer

- Led the **complete redesign** of Grupo AEX's e-lockers, resulting in a **~10% increase** in monthly customer engagement.
- Conducted **in-depth data analysis and visualization** using **SQL, Pandas**, and other libraries to improve team performance.
- Implemented a **CRM software** with **restructured lead-flows and sales rules**, reducing **average days to sell by ~10 days** and increasing **revenue by ~15%**.
- Currently working on the implementation of a WMS system with VLMs to optimize warehouse operations and provide valuable market insights for strategic planning.

OIT - Wreck Techs, Atlanta, US

Aug 2022 - Present

Resident Technology Advisor

- Diagnosed and resolved cabling issues, software glitches, and network disruptions for a community of **+25,000** students/professionals.
- Created templates in ServiceNow, **reducing average call time** for agents by **2 minutes** and increasing **customer satisfaction by 1.5 points**.

Llano Motorsports, Asuncion, Paraguay.

Jan 2018 – May 2023

Co-Driver / Team Leader / Owner

- Led all aspects of team operations, including procurement, human resource management, inventory supervision, race strategy development, and overall team coordination.
- Secured semi-official status in 2020, receiving **backing from Toyota** Paraguay.
- Clinched **4 national championships across various categories** in the past 5 years.

SKILLS

Languages: Spanish (Native), English (Bilingual), German (Advanced), Portuguese (Advanced), Guarani.

Programming: Python, Java, Html, CSS, SQL, Pandas, Numpy, C#, NodeJs, ExpressJs, MongoDB, ReactJs.

Concepts: Data Structures and algorithms, Advanced OOP, APIs, Data Manipulation, Data Visualization, GUI.

PROJECTS

US National Parks Ranking - Data Science

March 2023 – May 2023

- Conducted comprehensive cross-analysis of national parks utilizing data from various websites, US Government's public APIs, and additional CSV files.
- Engineered an objective ranking system for national parks based on diverse criteria.
- Developed a user-friendly GUI enabling users to visualize radar graphs showcasing their chosen park's ranking and providing concise descriptions.
- Used: **NumPy, Plotly, Pandas, Matplotlib, Phyton**.

Immerse VR / AR Hackathon

April 2023

- Created a "Exposure Treatment" AR unity app.
- Aimed at lowering cost of this treatment and making it available in underprivileged locations.
- Used: **C#, Unity, Oculus VR**.

Yellow - Campus Marketplace Web APP

October 2023

- Crafted and pitched an idealized campus marketplace for secure and convenient student trading.
- Employed **Express.js** and **Node.js** for backend development, **React, Tailwind, JavaScript, HTML**, and **CSS** for frontend development, and used **MongoDB** for secure data storage, retrieval, and manipulation tasks.