

# FRANCISCO OCTAVIO AYRA

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## Professional Summary

Computer Science graduate with hands-on experience in full-stack web development, cloud platforms (Google Cloud, AWS), and software engineering. Proven ability to work in Agile teams, solve complex technical issues, and deploy scalable web applications. Passionate about clean code, systems design, and open-source contribution. Highly-motivated employee with desire to take on new challenges. Strong work ethic, adaptability, and exceptional interpersonal skills. Adept at working effectively unsupervised and quickly mastering new skills. Good knowledge about AI and its usage. Experienced in fast-paced environments and adaptable to last-minute changes. Thrives under pressure and consistently earns high marks for work quality and speed.

## Technical Skills

- Computers Science
- Leadership
- Battery training
- Data Structures and Algorithms
- Parallel programming
- Mid Front end web developer
- Mid Back end web developer
- Junior Cloud Engineer (AWS, Google Cloud)
- Critical Thinking
- Mid Agile Developer

## Experience

**TPT** | Windsor Assembly Plant Chrysler (Stellantis) - Windsor, CA | 06/2024 - Current

- Operational work in the Battery and Chassis areas of vehicle manufacturing.

**Area Monitor** | Homlessness and Housing Helping Hub - Windsor, CA | 02/2024 - 03/2025

- Oversight of facility usage, safety monitoring, and humanitarian assistance.

**Software Engineer** | DDi - La Habana, Cuba | 01/2023 - 01/2024

- Company Overview: Worked as a developer while making a website infrastructure for my university ("University of Havana"), during one year, with a team of computer scientists like me.
- Performed tasks related to computer network maintenance.
- Integrated aptitudes like Linux
- Linux Virtual Server
- PuTTY
- CMS
- PHP
- PhpMyAdmin
- Drupal
- WordPress
- Server Management
- XAMPP
- MySQL.
- Documented service and installation actions by writing plans and reports under the SCRUM Agile Methodology.
- Troubleshoot various hardware and software issues to determine the root cause of problems.
- Resolved network connectivity issues using diagnostic tools such as ping, tracert, and ipconfig commands in local and National Servers, and then deploying and giving maintenance to the servers on Google Cloud, using Google

App Engine.

- Achieved around 20% faster web pages on most faculties.
- Worked as a developer while making a website infrastructure for my university ("University of Havana"), during one year, with a team of computer scientists like me.

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**Teaching Assistant** | University of Havana - Cuba, Habana | 01/2021 - 01/2022

- Delivered programming workshops for first-year students in C# and general programming theory.
- Taught recursive logic, data structures, and best practices.

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**Education** 

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University of Havana | Cuba | 01/2025

**Bachelor's Degree:** Computer Science

St. Clair College | Ontario | 01/2024

**English for Academic Purposes**

University of Havana | Cuba | 01/2024

**Certificate:** Advanced Data Structures & Algorithms

University of Havana | Cuba | 01/2022

**Course:** Image Processing with Python

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**Projects** 

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- Music Genre Classifier, Python + Google Colab, Multiclass music genre classification using machine learning.
- Information Retrieval System, Node.js / Javascript, Search engine project implementing various IR models for local documents.
- Multi-Agent Predator-Prey Simulation, Python + Pygame, Collaborative project that uses AI and Simulation techniques to describe predator-prey behavior in the same environment.
- Distributed Tag-based File System, Python + gRPC, Personal Project applying skills with Python built-in and third-party libraries using Data Base Management System, Parallel AND Concurrent programming, using gRPC for Client-Server and Server-Server communication. Nodes entrance and failure management.
- Inventario, Flutter, Offline-capable mapping tool (Android app) for terrain data collection and vector layers.

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**Portfolio** 

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- <https://frankayra.github.io/my-portafolio/>
- <https://www.linkedin.com/in/francisco-ayra-caceres/>
- <https://github.com/frankayra/>

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**Certifications** 

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- Valid driving licence

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**Languages** 

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**English:**



Full Professional

**Spanish:**



Native/ Bilingual

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## References

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References available upon request.