

# AURELIO FLOREZ

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## EDUCATION

### Bachelor's in Computer Science

Florida International University; Miami, Florida

August 2025 - May 2027

- GPA: 3.8/4.0
- Associations: INIT member
- **Relevant Coursework:** Data Structures & Algorithms, object-oriented programming in Java, Data Bases and Project Management principles

### Associate's in Computer Science

April 2021 - December 2024

Miami Dade College; Miami, Florida

- **AI & Machine Learning:** Selected for the AI4ALL program, hands-on experience **training neural networks** and supervising early model deployments with **pytorch**

## SKILLS

*Programming Languages:* Python, JavaScript, TypeScript, Java, PHP, SQL, Bash, Lua

*Backend & Database:* PostgreSQL, MySQL, Nginx, LAMP Stack, Apache, AWS RDS

*DevOps & Cloud:* AWS, Docker, Git, GitHub Actions, Nix/NixOS

*Libraries & Tools:* Pandas, Matplotlib, Auth0, Excel, VBA Scripting

## WORK EXPERIENCE

### i4nm | Leon, Spain

July 2018 - April 2021

*Junior Web Developer*

- Shipped **5 client sites a month** based on WordPress, PHP, HTML, CSS, and JavaScript in collaboration with other devs
- **Reduced project revision cycles times by 50%** by creating detailed **Figma** prototypes aligning client expectations with technical requirements
- **Led a critical ERP migration** from a legacy system to a cloud-based platform, developing a custom **Python** utility interfacing over REST API to transfer over 150,000+ invoices and client files with **100% data integrity**
- **Reduced new-hire turnover by 20%** by developing a comprehensive remote onboarding system
- Eliminated 99% inventory-related order errors by **creating a PHP plugin to automate inventory synchronization** across **multiple providers** for 50+ e-commerce sites

## PROJECTS

### ShellHacks 2025

September 2025

- Planned and assigned full-stack development tasks through a 4 person team to ship a doctor-patient communications web-app in 28 hours. Placed in 2nd round of judging from a pool of 890 projects
- Engineered backend side in collaboration with another dev for a doctor-patient communications web-app with **Express.js, PostgreSQL, and Auth0** for secure authentication

### Self-Hosting

June 2025

- Architected a high-availability n8n server with **99.99% uptime in declarative NixOS**, securely exposed publicly from a private homelab network leveraging **reverse SSH tunnels** and hardened with public-key authentication, and Fail2Ban

### Personal Site

April 2021

- Implemented a complete **CI/CD pipeline** using GitHub Actions automatically building and deploying a Hexo static site to a **live VPS** enabling seamless developer experience

### Spotify Analyzer

February 2020

- Developed a **Python data analysis tool** to visualize and compare audio features across Spotify albums. The application interfaces with the Spotify API, processes JSON data, and generates **insightful comparative plots** for metrics such as danceability, energy, and liveness using **Matplotlib**