# Oscar Y. Mochizaki

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📋 **Portfolio:** https://oymg81.github.io | 🐙 **GitHub:** http://github.com/oymg81

## PROFESSIONAL SUMMARY

Bilingual (English-Spanish) senior Computer Science student with hands-on experience in full-stack web development, systems programming (C, Java, Python), and RESTful API integration. Proficient in front-end technologies (HTML, CSS, JavaScript) and back-end frameworks (Node.js, Express), with recent work in WordPress automation using PHP and Stripe. Academic background includes projects in Artificial Intelligence, Natural Language Processing, and Computer Vision. Strong interpersonal and communication skills gained from over five years in sales and customer service, with a proven ability to deliver user-centered technical solutions.

## EDUCATION

**Florida International University** |
Bachelor of Science in Computer Science (Senior Student)
**GPA: 3.5** | Expected Graduation: Spring 2026

**Miami Dade College**
Associate of Science in Computer Information Systems 2021 - 2022
**GPA: 3.7**

**Coding Languages and Technologies**: Artificial Intelligence Fundamentals, Software Engineering Principles, Agile Development, C Programming, Unix Systems, Shell Scripting, Systems Programming, Software Engineering, Database Management, Python, Java, Data Structures, System Analysis and Design, HTML, CSS, SQL, JavaScript, AI Fundamentals, Introduction to Web Development, Tableau.

**Courses Completed:** Cisco CCNA, Microsoft Office 365, Azure, Project Management, CompTIA A+, Help Desk

# PROJECTS

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**Full-Stack Web Project | July 2025 GitHub: [https://github.com/oymg81/mypobox](https://github.com/oymg81/mypobox)**

- Developed a fully customized WordPress solution to automate package management using Linbis APIs (commodity creation, shipments, and package history).
- Integrated Stripe for payments, including webhooks to automate shipment creation and email notifications.
- Implemented secure shortcodes for user login, registration, package creation, shipment tracking, and history display.
- Managed backend logic with PHP and JavaScript to consume external APIs and handle user state securely.

**Intel Data Center Optimization – Team Research Project**

- Analyzed server performance and visualized energy usage trends using Tableau. Proposed infrastructure improvements for scalability and sustainability. Worked with engineers to streamline operations and reduce energy waste.

**Grammy.com Engagement Analysis – Data Visualization Project**

- Analyzed user interaction patterns and produced data-driven insights to enhance engagement for the Latin Grammys platform. Designed dashboards and reports to communicate recommendations.

**Tax Calculator – Python CLI Project - [https://github.com/oymg81/project1](https://github.com/oymg81/project1)**

- Developed a command-line Python script to compute personal income tax based on user salary input and progressive tax brackets. Implemented input validation, control flow, and modular logic to simulate real-world tax calculation scenarios.

**Maze Generator & Solver in Java – [https://github.com/oymg81/Maze-Generator.git](https://github.com/oymg81/Maze-Generator.git)**

- Built a maze generator and solver using graph traversal algorithms (BFS & DFS) and Java 2D arrays. Demonstrated practical applications of queues, stacks, and custom edge/vertex structures.

**MiniShell in C (Unix Environment) – Systems Programming Project**

- Developed a Unix shell with features like piping, `fork`, `dup2`, and `exec`. Implemented multi-process handling and basic command parsing for educational Unix-based scripting use.

## EXPERIENCE

**Teacher Assistant – Java Programming Florida International University • Remote • Aug 2024 – Dec 2024**

- Assisted 60+ students with Java syntax, logic, and debugging assignments.
- Held review sessions, provided detailed feedback, and supported course delivery.

**Data Analyst Trainee Global Career Accelerator • Remote • Aug 2024 – Dec 2024**

- Created dashboards and ran statistical analysis in Excel and Tableau.
- Conducted A/B tests and collaborated remotely with teams to produce insight reports.

**SA IT Service Raleigh   IT Technician – Remote • Jan 2022 – 2023**

- Diagnose and resolve hardware and software issues promptly.
- Provide support via phone, email, and Microsoft Teams.
- Perform updates and routine system maintenance.
- Install and configure operating systems and software applications.
- Set up and maintain computers, printers, and peripherals.
- Create and maintain user documentation and technical guides.
- Manage and track support tickets using a ticketing system.
- Provide basic user training for new systems or updates.
- Escalate complex technical issues to higher-level teams.

**Sales Account Specialist Gold Coast – Reyes Holdings • Miami, FL • Nov 2016 – Oct 2021**

- Managed B2B accounts, product placement, and customer support.
- Analyzed sales trends and ensured inventory efficiency and client satisfaction.