ANTONIO URDANETA

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EDUCATION

UNIVERSITY OF CENTRAL FLORIDA **Graduation: December 2024**

BS Information Technology | Minor Secure Computing and Networks *Orlando, Florida*
GPA: 3.90

- Honors: President's & Dean's Honor List
- Societies: Society of Hispanic Professional Engineers (SHPE), Hack UCF, Knights Hacks, PTK HIS

CERTIFICATIONS

CompTIA **Security**+ | CompTIA **Network**+ | TestOut IT Fundamentals PRO

PROFESSIONAL EXPERIENCE

UNIVERSITY OF CENTRAL FLORIDA **Orlando, Florida**

TA Coordinator - Computer Architecture *August 2024 – Current*

- Created and shared setup instructions for assembly language programming software, supporting 250+ onboarding students
- Led and coordinated team of 5 TAs, sharing key updates and ensuring access to programming resources
- Guided software installation, programming, and debugging, resolving 100% of technical issues efficiently

REAL LIFE **Clermont, Florida**

IT Intern *May 2024 – August 2024*

- Maintained and configured servers with RAID 10 setup achieving 40% increase in data retrieval and improving redundancy
- Utilized SSH into networking devices to push configurations, ensuring seamless updates while maximizing network uptime
- Managed and maintained 80+ **UniFi** network devices via **cloud controller**, ensuring optimal performance and uptime
- Applied **AC** principles for user account management on **AD** and **Google Admin**, ensuring structured access and permissions

PROJECTS

NBA PLAYERS STATS DATABASE API *August 2024 – October 2024*

Python Backend Developer

- Designed a normalized **PostgreSQL** database for efficient storage of NBA's player stats extracted from 3 raw **JSON** files
- Created a **Python** script using **Pandas** and **NumPy** to load and clean raw datasets, preventing data duplication
- Implemented **Django RESTful API** endpoints to extract player statistics from the database for front-end applications access

MYSQL THREE-TIER WEB APP *May 2024 – August 2024*

Java OOP Developer

- Engineered a three-tier web app using servlets, **JSP** on **Tomcat**, optimizing **MySQL** data retrieval via JDBC for clients
- Developed secure authentication and authorization with role-based access and database credential validation
- Created **CRUD** functionalities in **Java** and optimized databases management with prepared statements and stored procedures

MULTI-THREADED PACKAGE ROUTING SYSTEM *May 2024 – August 2024*

Java OOP Developer

- Developed **Java** program for synchronized deadlock-free package movement simulation for an automated shipping operation
- Optimized package routing algorithm for improved conveyor efficiency and throughput in the simulation by 30%
- Implemented error handling and logging for system monitoring, ensuring fault tolerance and perfect operations continuity

WEB APPLICATION DEVELOPMENT *May 2023 – August 2023*

Web Developer

- Developed a dynamic budgeting application with **HTML**, **JavaScript**, and **CSS**, enhancing functionality and **UX/UI**
- Designed tools for interest savings, loan payments, and budgeting based on user feedback, ensuring 100% satisfaction
- Utilized **APIs** to integrate an **AI** assistant and finance glossary, supplementing user understanding on financial information
- Applied **Agile** methodology in a team of 4 to enhance problem-solving and meet strict 12-week project timelines

SKILLS

Programming: Python | Java | C++ | C | C# | MYSQL server | SSMS | PostgreSQL | JavaScript | HTML | CSS | Assembly |

Technology: Selenium | Pandas | Flask | Jinja | Django | RESTful API | NumPy | BeautifulSoup | BootStrap | JSP | GitHub | Git | Android Studio | Linux | VMs | Active Directory | Microsoft Office |

Coursework: Databases Management | Data Structures and Algorithms | Computer Science | Advanced Java Programming | C programming | Enterprise Computing | Web Development | UX\UI design | System Administration | Secure Operating Systems | Network Security and Privacy | Cyber Defense Analysis | Cryptography and Information Security |

Languages: English – Fluent, Spanish – Native