ALEJANDRO DORADO

Jacksonville, FL.

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EDUCATION

University of North Florida|| Jacksonville, FL   01/2021 - *12/2025*
*Bachelor of Science - Computer Science, GPA: **3.75***
- **Relevant Coursework**: Data Structures and Algorithms, Object-Oriented Programming, Intrusion Detection, Computer Networks, Databases, Internet Programming, Systems Programming.
- **Awards:** President's List Summer 2022, Dean's List Fall 2021 -2025; Full LAC Scholarship Recipient.

SKILLS

Programming Languages: Java, Python, JavaScript, HTML/CSS, Bash/Shell Scripting

Frameworks & Technologies: React, Django, REST APIs, Spring Framework, JWT, Multi-threading

Databases: MySQL, PostgreSQL, SQL, Database Design, Query Optimization

Development Tools & Practices: Git, Agile/Scrum, CI/CD, Object-Oriented Design, Software Development Life Cycle

Systems & Networking: Linux Environments, TCP/IP, HTTP/HTTPS, Network Traffic Analysis, Windows Administration

Languages: English (Fluent), Spanish (Native), German (Intermediate)

PROJECTS

FinTrack – *Personal Finance Web App – Modeling & Designing Lead*
React, Django, MySQL, REST APIs, JWT, UML

- Architected full-stack web application using React frontend and Django REST API backend, implementing secure authentication, MVC architecture, and RESTful web services for financial transaction processing
- Designed and implemented normalized relational database schema with optimized SQL queries, supporting real-time financial analytics and multi-user data management
- Led agile development team through complete SDLC including requirements gathering, system design documentation (UML diagrams), iterative development sprints, and collaborative code reviews
- Built automated data validation and error handling procedures ensuring 99%+ data integrity across application workflows

AI JobShield – *Fake Job Posting Detector – Sole Developer*
Python, scikit-learn, Streamlit, NLP

- Built end-to-end machine learning application processing 17,000+ job postings, achieving 85% accuracy in fraud detection through feature engineering, model training, and hyperparameter optimization
- Implemented comprehensive data preprocessing pipeline including text normalization, feature extraction, and validation checks ensuring model reliability

Socket Servers – *Concurrent & Iterative Client-Server Models – Team Project*
Java, Multi-threading, Networking, Linux

- Developed concurrent and iterative server architectures in Java utilizing multi-threading, socket programming, and synchronization mechanisms to handle multiple simultaneous client connections
- Implemented thread-safe data structures and applied OOP design patterns including Factory and Observer patterns to manage client sessions and server state
- Engineered networking protocols for reliable client-server communication, implementing custom message parsing and error handling for robust distributed systems

CERTIFICATIONS AND ORGANIZATIONS

- Organizations*: IEEE UPSILON PI EPSILON,* International Honor Society in the Computing and Information Disciplines & *OSEC (Osprey Security Club)***,** Security Intern.
- Certifications**:** HarvardX CS50 Cybersecurity (2024), Splunk Fundamentals 1 (2025), Fortinet NSE 1 & 2 (In Progress), CompTIA Security+ (Scheduled Dec 2025)

EXPERIENCE

University of North Florida: *Programming Assistant*   02/2024 - *present*
- Supervised a high-traffic student game lab, supporting 900+ users each semester with account, software, and hardware issues.
- Provided first-line troubleshooting and escalated technical problems, ensuring smooth operation of lab systems.

SalesLand Colombia SAS: *Data Analysis Assistant – Internship*   08/2022 - 01/2023
- Developed automated data processing scripts in Python reducing manual reporting time by 60% and improving recruitment selection efficiency by 4.8%
- Ensured data accuracy and consistency across reporting workflows through validation procedures and quality assurance testing