

Anthony Hernandez



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Clifton, New Jersey



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<https://github.com/anth0ny-hernandez>

Software Developer | Network & Information Security

EDUCATION

Bachelor of Science in Information Technology

New Jersey Institute of Technology

Sept 2021 – May 2025

Newark, NJ

Specialization/Focus: Network and Information Security

Cumulative GPA: 3.76

Relevant Courses: Database Design Management, Systems Integration, Linux System Administration

SKILLS

- * Programming: Python, JavaScript, SQL, PHP, Java, Bash
- * Databases: PostgreSQL, MySQL
- * Methodologies: Agile, SCRUM, Atlassian Jira
- * Cloud & Infrastructure: AWS
- * Microsoft Office: Word, PowerPoint
- * Languages: Native English, Basic Spanish
- * Systems & Tools: Linux (Ubuntu), Android Studio, Git, GitHub, XAMPP
- * Frameworks/Libraries: Django REST Framework, Node.js, BeautifulSoup, OpenCV, Matplotlib

WORK EXPERIENCE

Intern Mobile App Developer

Nuboe.com

Feb 2025 – May 2025

Newark, NJ

- Co-developed a cross-platform mobile application within a structured IOS/Android split team, coordinating closely with teammates to maintain platform-consistent feature deliveries for a company management system.
 - Spearheaded Android development efforts using Android Studio and Java, while staying in sync with the IOS counterpart team
 - Prototyped back-end connectivity via HTTP communication using locally-ran Node.js servers
 - Deployed real-time device tracking functionality utilizing Google Play services to allow for location updates and display
 - Presented development progress and incorporated stakeholder feedback across sprint reviews

TECHNICAL PROJECTS

Dark Souls LoreScraper (April 2026) | Django REST Framework, PostgreSQL, Python, JavaScript

- Independently designed and built a full-stack web application for personal exploration and annotation of Dark Souls lore, built on data ethically scraped from a comprehensive fandom wiki. Driven by self-interest in combining backend engineering with my hobbies.
 - Automated data collection using Python and BeautifulSoup to extract and structure web data via HTML elements
 - Designed and implemented a RESTful API supported by DRF to serve lore data via HTTP endpoints
 - Modeled complex many-to-many entity relationships in PostgreSQL, juggling the collected data and a user-driven system

- Developed a vanilla JavaScript front-end consuming the REST API with dynamic filtering and per-user annotation capabilities
- Documented API design and database model decisions throughout development to support future extensibility

ArUco Marker Pose Estimation and Tracker (July 2025) | OpenCV, Python, Matplotlib

- Operating off OpenCV's open source library, I based my Python program off their C++ documentation to estimate 3D pose via visualization of overlaid axes in conjunction with Matplotlib to plot, in real time, changes in the spatial coords per frame.
 - Defined the camera's intrinsic matrix and distortion coefficients to plot real-world coordinates onto a pixel system and to correct lens distortion, respectively
 - Extracted the X, Y, Z rotational and translation vectors of the markers by mapping their corners to predefined dictionaries corresponding to IDs that detail similar, yet distinct potential matches

Secure Business Application – Azure Cloud Admin (April 2025) | Azure IAM, Vnet, NSGs

- To simulate establishing real business security, I assumed the role of a cloud administrator to design and deploy a secure, production-simulated cloud application where I implemented instances of cloud networking, identity management, and access control.
 - Configured Azure IAM roles and policies to enforce least-privilege access across cloud resources
 - Implemented Azure Monitor and diagnostic logging to detect failed RDP attempts and unauthorized administrative access
 - Segmented virtual networks to subnets to restrict communication between Windows Server VMs

Nutritional Website Systems Integration – Linux Sysadmin (Dec 2024) | RabbitMQ, Linux, PHP, MySQLi, Bash

- Served as a Linux system administrator within a group project based on a nutritional API that retrieves respective recipes and ingredients, and concurrently tackling personal responsibilities in regards to my position, such as security configurations.
 - Incorporated JIRA for task management and tracking, documenting steps taken and issues/resolutions
 - Developed & enforced security measures, such as firewall rule configurations and a 2-Factor Authentication System
 - Contributed to SQL tables that locally stored API data, managed user preferences, handled authentication, and more
 - Assisted in creating the front-end and back-end across Dev, Prod, & QA environment clusters

OTHER EXPERIENCE

Deli Host

April 2024 – Present

Stew Leonard's

Clifton, NJ

Responsible for managing stock, servicing customers, and maintaining a clean environment

- Delivered consistent, customer-oriented service under pressure during waves of high volume whilst managing time to perform stocking and production responsibilities
- Troubleshoot department hardware, including deli scales and printers, to minimize disruption to work operations