

Jayden Polydore

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EDUCATION

Hofstra University

Bachelor of Science in Computer Science

Hempstead, New York

Expected May 2028

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript

Frameworks & Libraries: FastAPI, Flask, React

Databases & APIs: SQLAlchemy, SQLite, REST API design, Overpass/OpenStreetMap API, Mapbox API, Google Maps API

Tools: Git/GitHub, GitHub Desktop, VS Code, Postman, httpx

PROJECTS

Court Finder | *FastAPI, SQLAlchemy, SQLite, JavaScript, Mapbox, Google Maps, OpenStreetMap*

- Built a full-stack app that locates nearby sports courts using a FastAPI backend and a JavaScript/Mapbox frontend
- Designed a `/api/courts` endpoint with lat/lng/radius query parameters and a custom haversine function to compute and sort results by `distance_km`
- Modeled data with SQLAlchemy and SQLite, migrating seed data from JSON into a persistent database
- Integrated the Overpass/OpenStreetMap API with `httpx`, resolving a 406 header error and request timeouts, and merged live results with database records in a single filtered, sorted response with a try/except fallback for API failures
- Built an interactive map with dynamic marker rendering using Mapbox and Google Maps APIs, with filter syncing and marker/card selection; followed a Git branch workflow (feature branches, `.gitignore`, `.env.example`) to keep the public repo secret-free

SEL Check-In Tracker | *React, Flask, SQLite, REST API*

- Built a full-stack web app for logging daily mood check-ins and viewing check-in history to support self-awareness and reflection habits
- Designed and implemented a Flask REST API with CRUD endpoints, input validation, and a SQLite database schema
- Built a responsive React frontend that consumes the API to display, filter, and update check-in entries
- Deployed frontend and backend independently and documented setup and API usage in a project README

EXPERIENCE

Sales Associate

H&M

August 2026 – Present

Valley Stream, New York

- Assisted customers on the sales floor and at checkout, providing product recommendations and resolving issues
- Processed transactions, returns, and exchanges accurately in a fast-paced retail environment
- Maintained store presentation through restocking, folding, and visual merchandising standards
- Collaborated with team members to meet daily sales and customer service goals

Office Aide

Center for Educational Access and Success – Hofstra University

September 2025 – Present

Hempstead, New York

- Tracked and managed attendance data for high school-based and collegiate programs using Excel, and maintained records across cohorts for reporting
- Managed the front desk, routed incoming calls, and served as a bilingual point of contact in English and Spanish
- Maintained and troubleshooted office printers, computers, and peripheral equipment
- Designed promotional graphics using Canva and executed large-scale email campaigns to students and families using Outlook

Teacher's Assistant

CSTEP Program – Hofstra University

June 2025 – August 2025

Hempstead, New York

- Assisted instructors in STEM-focused academic programs by supporting students with coursework and problem-solving
- Explained math and technical concepts clearly to middle and high school students in lower-income neighborhoods
- Collaborated with program staff to ensure smooth daily operations and student engagement