Nicholas Smith

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Education

SUNY Old Westbury | (Graduated 2024)
- Bachelor of Science in Computer & Information Sciences

SUNY Nassau Community | (Graduated 2017)
- Associate of Arts in Media

Work Experience

Walmart Global Tech | Software Engineer Intern | (06/2024 - 08/2024)

- Developing scanning-based software solutions designed for deployment across Walmart stores nationwide. Also troubleshooting current in-store technologies when issues occur.

Long Island Children's Museum | Technology Consultant | (05/2023 - 08/2023)
- Worked on hardware inventory management and provided troubleshooting for diverse museum hardware, encompassing printers, computers, phones and software installations.

SUNY Old Westbury | Programming Tutor | (01/2022 - 06/2024)
- Expressed topics to students in a personalized manner. Provided a strong foundation that led to successful understanding of future topics.

SUNY Old Westbury | Technology Consultant | (11/2022 - 06/2024)
- Worked with Old Westbury Staff & Students to troubleshoot and resolve technical issues over the phone and in person such as network issues, printers and general computer maintenance.

Achievements + Skills

SUNY Old Westbury | Member of Dean's List & Honor Society | (01/2022 - 05/2024)
- Member of the Dean's List for SUNY Old Westbury
- Member of the Tau Sigma National Honor Society

Technological Skills
- 4+ years of experience with Python.
- 2 years of experience as an Information Technology Consultant
- Experience programming in MySQL Workbench, Java, C++, C#, HTML & CSS.
- Experience assembling and troubleshooting off-the-shelf PC system components.

Projects

Automated Room-booking System
- Designed, built & deployed MySQL Workbench database for automated room-booking system for SUNY Old Westbury staff and students. Enables users to search for available rooms by date, time, capacity and room number. Currently in use by SUNY Old Westbury College.

Product Recognition System
- Designed and Implemented backend system for producing large-scale reverse-image searching. Built gRPC server (Python) to serve service, tRPC server (TypeScript) as UI backend orchestration to query reverse-image searches, via user-uploaded image files, & tracked metrics (Grafana + Prometheus). Also used services such as Docker & GitHub. Currently in use by Walmart Global Tech.

Voice-Driven Desktop Assistant

- Designed a voice-driven personal assistant resembling Alexa. Used Python and several libraries to make the assistant listen to user's voice for verbal queue, break down user's verbal request, and react accordingly.

Personal Portfolio Website

- Using JavaScript & HTML + CSS, built a personal website that dynamically showcases all personal achievements based on the device used to view it.

Viral YouTube Video Predictor

- Used Python, data analysis and Machine Learning to develop a model to predict the likelihood of a YouTube video going viral based on key metrics such as views, likes, comments & shares. This project involved data collection & preprocessing, implementing algorithms for classification and regression analysis, analyzing performance using evaluation metrics like accuracy and F1 score and visualizing said results to showcase predictions.