Yash Walankar

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EDUCATION

University of Toledo — Toledo, Ohio
Bachelor of Science in Computer Science and Engineering, Minor in Mathematics. — Aug. 2016 – May 2021
GPA: 3.15/4.00

Ohio State University — Columbus, Ohio
Visiting Student for College of Engineering — May. 2020 – Aug. 2020
GPA: 4.00/4.00

EXPERIENCE

Software Engineering Co-op — Jan. 2020 – Aug. 2020
Tenneco Inc. | Spring 2020 , Summer 2020 — Monroe, Michigan
- Reduced object code building time by 30% by automating the build process.
- Automated HIL data test vector verification for intelligent suspension models using Python with Pandas library.
- Integrated Builds and Tests with Jenkins pipeline and Git.

Information Technology Support Specialist — May. 2018 – May. 2021
University of Toledo Medical Center | Part-time — Toledo, Ohio
- Provided technical support for 500 plus computers on Health Sciences campus and satellite locations.
- Diagnosed and resolved a range of software, hardware and network issues.
- Increased efficiency by developing line tool PowerShell script to remotely manage multiple assets.
- Automated asset inventory management tasks using Selenium web driver for python.
- Managed asset vulnerability using Rapid7 Nexpose tool.

Peer Mentor — Aug. 2019 – Dec. 2020
University of Toledo, EECS Department — Toledo , Ohio
- Mentored EECS 1510 Object Oriented Programming.
- Mentored EECS 1030 Introduction to Computer Science and Engineering.
- Conducted and graded lab sessions, assisted students with programming assignments and projects.

Engineering Co-op — Aug. 2018 – Dec. 2018
Regal Beloit Inc. | Fall 2018 — Bowling Green , Ohio
- Developed Google Firebase supported Android application for Marathon Special Products Catalog.
- Prototyped IoT device using Embedded C on STM32 board with multiple sensors to collect and analyze data of vitals inside Power blocks and Terminal blocks.
- Implemented and maintained functions of relational database system for Engineering change requests in MS Access with VBA.

TECHNICAL SKILLS

Java	Python	C/C++	SQL
PowerShell	MATLAB	R	HTML/CSS
AWS	Jenkins	Git	C#

PROJECTS

Trade tool | *Python, TDAmeritrade API, Jupyter Notebooks*
- Collected data using the API and scanned for unusual options activity.
- Calculated possible position size based on current portfolio value and selected risk profile.
- Generated report based on the data to create a hypothesis.

Insulin Management App | *TypeScript, ReactNative,NodeJS, MongoDB Atlas*
- Collaborated with an Endocrinologist to build an app that calculates insulin dosage based on patients prescribed insulin sliding scale and carbohydrate intake.
- Utilized ReactNative with Expo to develop cross-platform mobile application.
- Developed backend API endpoints with NodeJS to collect and create data for users.

CNGF Link Prediction for NetworkX | *Python, NetworkX*
- Implemented CNGF Link prediction algorithm for a popular Python network analysis library NetworkX.
- Created unit and integration tests in accordance to the library documentation.