

# Nicanor Obasi

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## EDUCATION

### Toronto Metropolitan University

Toronto, ON

Bachelor of Science (Honours), Computer Science Co-op

Sep 2021 - May 2026

- **Relevant Courses:** Algorithms, Unix, C & C++, Operating Systems, Probability, Statistics, Software Engineering
- **Certifications:** Machine Learning by Stanford Online & DeepLearning.AI, Professional Scrum Master I (PSM I) Scrum.org

## WORK EXPERIENCE

### IT Trainee

Toronto, ON

City Of Toronto - Toronto Water

Jan 2024 - Aug 2024

- Assisted in the identification and implementation of process improvements, resulting in a **24%** increase in efficiency by streamlining project coordination and enhancing overall project processes.
- Spearheaded the automation of feature implementation across servers, decreasing development time and costs by **45%** using scripting techniques.
- Managed project progress and requirements in JIRA (Kanban Board) for Agile projects, while collaborating with the development team using Git, Confluence, and Agile methodologies to optimize workflows.
- Partnered with project managers and IT stakeholders to turn critical business goals into well-crafted digital solutions, utilizing an SDLC cycle.

## PROJECTS

### Portfolio website ([nicanor-obasii.netlify.app](https://nicanor-obasii.netlify.app))

- Combined **HTML**, **CSS**, and **JavaScript** to craft an appealing personal portfolio that highlights accomplishments.
- Tailored **CSS** designs and organized **HTML** structure to result in an enjoyable experience for users.
- Interactive **JavaScript** elements ensured responsiveness and effortless navigation, enhancing user engagement.

### Dolce Vistito (E-Commerce Store)

- Developed a comprehensive database management system for a high-end clothing retail store using **PHP** and **SQL**, effectively managing data across multiple entities including products, inventory, customers, and transactions.
- Optimized **SQL** queries for efficient sales, inventory, and employee data management, enhancing operations.
- Executed a **PHP** back-end solution for secure, seamless data interactions, improving user experience for customers and staff.

### Spotify Song Analysis

- Utilized the **Spotify API** to analyze a user's top tracks, employing Spotipy for Python to access the API, and **Pandas** for data manipulation
- Implemented OAuth2.0 authentication with Spotify for secure access to user data, showcasing insights on the user's top 10 tracks including danceability, energy, and valence.
- Integrated **Streamlit** for the web application interface, allowing users to interactively explore their Spotify listening habits by visualizing audio features of their top tracks using bar charts.

### Metcash

- Implemented a user interface (UI) with **Swing GUI**, supporting functionalities such as cash withdrawals, fund transfers, balance inquiries, and viewing transaction history, ensuring a user-friendly experience.
- Ensured code modularity and scalability using object-oriented design principles, facilitated by **Java**, making the system easy to expand and maintain.
- Improved user interaction with a dynamic and responsive front-end designed using the **Java Swing** library.

## TECHNICAL SKILLS

**Programming Languages:** Python,C,Java, Javascript, HTML , CSS/SASS, SQL, PHP, Typescript

**Libraries:** React.js,Pandas, NumPy, Matplotlib ,ChartJs,Tailwind CSS, Selenium,

**Tools/Platforms:** MySQL, Netlify, Oracle, Tableau, Git/Github, Azure, Agile, Jira, Powerbi, Django ,Confluence, Postman

## EXTRACURRICULAR ACTIVITIES

- **Event Coordinator** in Toronto Metropolitan University Unicef August 2023 - Present
- **Peer-Mentor Tri-mentoring** in Toronto Metropolitan University August 2023 - Present
- **Google AI Hackathon**