

Daniel Di Giovanni

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EDUCATION

- York University** September 2020 - June 2025
Bachelor of Engineering - Software Engineering GPA: 3.8
Courses: Data Structures, Software Development Project, Advanced Object-Oriented Programming, Embedded Programming

WORK EXPERIENCE

- Digital Main Street** June 2022 - October 2022
E-Commerce Advisor Full Time
 - Built a total of six ecommerce websites using Shopify, Square, and Bookmark.
 - Improved clients' websites by auditing, giving recommendations, and directly collaborating on the sites.
 - Assisted five clients in accessing a \$2,400 micro-grant and helped them build spending plans for the grant.
 - Prepared resources, write-ups, and held meetings about ecommerce, digital marketing, and cybersecurity.
 - Learned SEO best practices, implemented SEO in ecommerce websites, and educated clients on SEO.
- Dwella Investing** June 2021 - December 2021
Full Stack Developer Part Time
 - Built backend REST API from scratch with lead programmer using Node.js and ExpressJS.
 - Created schemas for the MongoDB database as specified by the system's needs.
 - Built frontend dashboard using React and the MUI library, and connected it to the backend.
 - Secured the API with a JWT-based authorization system.
 - Provided technical guidance during meetings to team members in less technical roles.

PROJECTS

- TAB2XML**  April 2022
Java, JavaFX, Gradle, JUnit, Eclipse IDE
 - Collaborated with four team members at York University to develop a large Java GUI using JavaFX.
 - Implemented concepts from music theory in Java to convert tablature to playable sheet music.
 - Systematically added features and fixed bugs according to the Gitflow workflow.
 - Used Java, Gradle, JUnit, and the Eclipse IDE to organize the project structure and facilitate testing.
 - Frequently held meetings to delegate work and resolve issues.
- Inspirational Webapp**  January 2022
Node.js, ExpressJS, MongoDB, React, MUI, JSONWebToken
 - Built entire REST API backend with Node.js, the ExpressJS framework, and a MongoDB Atlas database.
 - Built entire frontend with React and the MUI library and connected the frontend to the backend.
 - Implemented JWT-based authorization system with capabilities to revoke tokens from specific users or all users.
 - Used SendGrid API to set up automatic email system for sending verification codes.
 - Thoroughly documented API endpoints, depolyed frontend to GitHub Pages, deployed backend to Heroku.
- Automated Plant Watering System**  May 2021
C++, Arduino
 - Used Arduino with a moisture sensor, water pump, button, and OLED screen to build a physical plant watering system.
 - Wrote a C++ program on the Arduino to use the sensor and water pump to automatically water the plant when it is dry.
 - Utilized the Arduino's OLED screen to display information about the system's state.
- Sorting Algorithm Visualizer**  June 2020
Python, Tkinter
 - Built a GUI with Python and Tkinter to animate sorting algorithms.
 - Implemented selection sort, insertion sort, bubble sort, and merge sort in Python.
 - Used Tkinter canvas and rectangles to animate sorting algorithms in real time.

SKILLS SUMMARY

- Languages** Java, JavaScript, Node.js, Python, PHP, SQL, C, C++, Bash
- Frameworks** Spring Boot, ExpressJS, Flask, Mongoose, React, JUnit
- Tools** Git, MongoDB, SQLite, MySQL, AWS
- Concepts** OOP, REST API, Data Structures, Algorithms
- Soft Skills** Readiness to Learn, Professional Communication, Report Writing, Workload Management