Nigel Davis

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EDUCATION

Bachelor of Computing, Computer Science (CO-OP) minor in Mathematics - *4.0 GPA (94.8%)*
University of Guelph - *Guelph, ON*
2019-2023 (Expected)

SKILLS

Languages:	C, Python, Java, HTML, CSS, Javascript, SQL
Technical:	Git, Linux, Docker, Vue.js, Data Structures, Web Scraping, Django
Interpersonal:	Time Management, Communication, Organization, Collaboration

EXPERIENCE

Software Development Engineer, Ecoation - *Ruthven, ON*
Jun 2021 - Present (Expected Dec 2021)

- Built a user interface for a greenhouse data collection robot using Vue.js and Nuxt.js to visualize sensor data as well as control basic functions like movement and wheel position using ROS
- Currently developing a local API using Python with Django REST Framework to handle requests for storing and retrieving robot sensor data

PROJECTS

GPX Data Viewer - *C, Javascript, HTML, CSS, MySQL, Node.js*
Jan 2021 - Apr 2021

- Built a web user interface using HTML, CSS, and Javascript to display GPX data to the user
- Implemented a back-end server using C, Javascript, and Node.js used to parse GPX files allowing the user to make requests for information stored in files uploaded to the server
- Connected the server to a MySQL relational database used to store and share GPX file information

Amazon Price Tracker - *Python*
Jan 2021

- Built a Python web scraper to track the prices of items in an Amazon wish list and send an email when the prices drop below a set amount
- Implemented Python modules such as selenium and pandas used for data manipulation, web scraping, sending emails, and file IO

Rogue Game - *Java*
Sep 2020 - Dec 2020

- Developed an ASCII roguelike game where the user can move through various rooms picking up and using items
- Created a GUI to show the current room as well as the player's items with the option to open previously saved game states
- Applied fundamental Object-Oriented Design concepts such as polymorphism, abstraction, and the single-responsibility principle

AWARDS & EXTRA-CURRICULARS

- Awarded the Dr. Mary McLeish Scholarship - *2020*
  - Awarded to the student with the highest first-year average in Computer Science
- Awarded the Dean's Scholarship - *2020 and 2021*
- Member of Guelph Coding Community at the University of Guelph *(2020 - Present)*
- Keen interest in Cyber Security