

# Nigel Davis

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## EDUCATION

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**Bachelor of Computing**, Computer Science (CO-OP) minor in Mathematics - *4.0 GPA (94.6%)*

University of Guelph - *Guelph, ON*

2019-2023 (*Expected*)

## SKILLS

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**Languages:** C, Python, Java, HTML, CSS, Javascript, SQL

**Technical:** Git, Linux, Docker, Vue.js, Data Structures, Web Scraping

**Interpersonal:** Time Management, Communication, Organization, Collaboration

## EXPERIENCE

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**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

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**GPX Data Viewer** - *C, Javascript, HTML, CSS, MySQL*

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

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- 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*
- Member of Guelph Coding Community at the University of Guelph (*2020 - Present*)
- Keen interest in Cyber Security