DEREK DUONG

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OBJECTIVE

Student studying software engineering with a solid understanding of software design, development, and testing. Aiming to succeed as a software engineer by utilising great technical, analytical, and programming skills.

EDUCATION

University of Guelph

Honours Bachelors of Computing (CO-OP) - Software Engineering   Expected 2026

- 3.54 GPA

SKILLS

Technical Skills	C, Java, Python, Javascript, Html, CSS, SQL
Soft Skills	Agile, Waterfall, Customer Service, Team Management
Management and Tools	Github, Trello, Slack, Git, SQLite, Visual Studio, Docker, Gradle, NPM, Node.js, Mongo.db, AWS
Frameworks	React, Express.js

PROJECTS

MNIST Neural Network — *Python, Jupyter Notebook*

- Developed **Neural Network** from scratch using **Python** to analyze **MNIST dataset** which helped familiarize oneself with machine learning and development

- Gained familiarity of machine development and **Jupyter Notebook**

- Gained Familiarity with **Python libraries: numpy, matplotlib and pandas** while developing **Neural Network**

Molecule Viewer — *Javascript, Python, JQuery, SQLite, HTML, CSS, C*

- Developed full-stack application with the abilities to view, upload, and rotate elements on the periodic table. Utilized **Python**, **C**, **HTML**, **Javascript**, **CSS**, **JQuery**, **DOM**, and **SVG files**.

- Implemented **SQLite** to store Molecule Data and perform **read** and **write** operations

- Applied **SWIG** to deploy **C** functionality with **Python** HTTPS Server

- Utilized **Ajax** to transfer **JSON** data to the server and client

MERN Stack Project Manager — *React, Mongo.db, Express.js, Javascript, Node.js, Bootstrp, GraphQL, Apollo*

- Developed a full-stack project manager application using a **MERN Stack (Mongo.db, Express.js, React, Node.js**, **HTML**, and **CSS** to familiarize oneself with full-stack development

- Utilized **GraphQL** and **Mongo.db** to implement full **CRUD** functionality

- Utilized **Bootstrap** to implement dynamic styling and UI

EXTRA-CURRICULAR ACTIVITIES

Java Tutor, Humberside Collegiate Institute Coding Club   Sept 2019 – Jan 2020

- Coached 5 novice Java coders through complex concepts which contributed to an increase in peers test scores

- Developed strong teamwork and team building skills through planning and designing fundamental Java workshops