Tyler King

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Summary of Skills

- Experience with multiple programming languages and familiar with Object Oriented features/design
  - Languages: C, C++, C#, Java, JavaScript, HTML, CSS, PHP, SQL
- Experience with multiple operating systems and software applications
  - O/S: Linux, Windows 11/10/7/XP
  - Applications: MS Word, MS Excel, MS PowerPoint, Git, Postman, Wireshark

Education

Algonquin College, Ottawa, ON   September 2019 - December 2022

Ontario College Advanced Diploma in Computing Science

- Relevant Courses: Object-Oriented Programming, Calculus 1, Data Structures, C Language, C++ Programming, .NET Enterprise Appl. Dev, Operating Systems, Web Enterprise Applications (Restful API), Software Design and Testing, Compilers, Introduction to Database

Relevant Experience

Front-End Food Ordering Prototype

- Online food ordering web application developed in React JS
- OAuth user login to restrict data access to certain users
- Agile development in team of 6
- Worked on testing and documentation

Restful API Sprite Simulator

- Restful API using Jakarta EE
- Heidi SQL database asynchronous updated in real-time
- Sprite location updated on HTML page
- Developed and tested on local Glassfish server

Custom C Language Compiler

- C Language based compiler with unique lexicon
- Wrote lexemes/token and grammar rules
- Developed Buffer, Scanner/Language Model, and Parser/Language grammar

Java 3D Fractal Generator

- Fractal Generator built in Java using Object Oriented Programming concepts (encapsulation, abstraction, inheritance, polymorphism, interfaces)
- Implemented using 2D arrays
- Outputs Fractals to Paint 3D
- Unit tested object creation