EMail
michaelconnor468@gmail.com

Github
michaelconnor468

Michael J. Connor

Computer Scientist

Programming
Java
C/C++
Python
HTML/CSS
SQL
JavaScript
Assembly
Verilog

Technologies
NodeJS
Git
Swing
Android
Encryption
Gradle

GNU/Linux Skills
Bash
System API
Architecture

Soft Skills
Team Player
Communication
Time Management
Quick Learner
Persistence
Leadership

Personal Projects - Source Code on GitHub

Java — **Krisp Compiler** — Solo Project
- Compiler that converts high Krisp language to MIPS style intermediate assembly that can easily be translated to AMD64 or ARM
- Employed recursive principles to improve compilation speed/efficiency by 30% and ensure easy extensibility

Java — **Vespr Game Engine** — Solo Project
- Graphics and mechanics engine that can be used to build a wide variety of games with save functions
- Utilized multithreading, user interface design, graphical programming principles to improve frame rates by up to 70%
- Thorough documentation and object oriented approach allow for easy modification of flexible source code to fit various needs

Android — **Into the Colonel Application Center** — Team Project
- Application manager made using Android Studio and Gradle that allows a user to login and choose within a library of games to play
- Utilized teamwork, collaboration, and conflict resolution skills
- Extensive use of version control and unit testing to improve product robustness and programming efficiency
- Use of salted hashing for passwords, UI generators, persistent data

HTML/CSS — **Personal Website** — michaelconnor.ca
- Modern personal website I am currently building to showcase my achievements and interests
- Employed various web programming techniques and learned their strengths and weaknesses as well as best design practices

Verilog — **Hardware Based Platform Game** — Team Project
- Graphical platform game that can be implemented on FPGA technology
- Learnt to program and debug in a parallel execution environment
- Utilized various optimization and memory saving techniques to decrease hardware costs by 60% and increase frame rates by 20%

Education

2017 - Now — **Bachelor's Degree in Computer Science and Statistics** — University of Toronto
Relavent Coursework:
Data Structures, Databases, UNIX Enviroment, Software Development

Awards

$ 10,000 — **President's Scholarship of Excellence** — University of Toronto
Given to the top 50 academic achievers in the faculty of arts and science

$ 1,000 — **William and John Kingston Award** — University of Toronto
Given to some of the highest acheiving students in their respective programs