

**Website**  
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**Email**  
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**Github**  
michaelconnor468

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

**Technologies**  
Git  
Swing  
Android  
Encryption  
Gradle

**GNU/Linux Skills**  
Bash  
System API  
Architecture

**Open Source Contributions**  
Google FOAM

# Michael J. Connor

## Computer Scientist

## Work Experience

Nanopay **Software Developer Intern - 8 Months** [May 2019 - December 2019](#)

- Created reflexive object decorators to find and solve performance issues with framework database access objects helping increase overall speed by up to ten times and greatly increasing extensibility of framework code
- Modified framework script parser to allow for parsing of cleaner, more robust syntax of scripts allowing for more efficient use of developer and productivity by obviating the need for extensive debugging of script syntax

## 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 over first iterative approach

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% in comparison to optimized code
- 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

## Education

2017 - Now **Bachelor's Degree in Computer Science and Statistics** [University of Toronto](#)

Relevant Coursework:  
*Data Structures, Databases, UNIX Environment, Software Development*