

**Website**  
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**Github**  
michaelconnor468

**Programming**  
Java  
C/C++  
JavaScript  
TypeScript  
Python  
Haskell  
Bash

**Tech**  
Linux  
Git  
SQL  
MongoDB  
NodeJS  
React

# Michael J. Connor

## Software Engineer

## Work Experience

- NexJ Health **Software Engineer** [March 2021 - Now](#)
- Developed RESTful and RPC based APIs in an Agile environment
  - Improved services API to allow for better tolerance of server side errors
  - Designed batching service for similar operations reducing network load
- Nanopay **Software Engineering Intern** [May 2019 - December 2019](#)
- Developed a new security authorization framework
  - Designed and implemented database performance monitoring API
  - Developed declarative API for use in creating RESTful micro-services, reducing related bugs in codebase by over 80%

## Open Source Contributions

- FOAM Framework** [foam-framework.github.io/foam](https://foam-framework.github.io/foam)
- Improved parser to make scripting language more developer friendly

## Personal Projects

- Java **Open World Game** [github.com/michaelconnor468/Mystic](https://github.com/michaelconnor468/Mystic)
- Scalable multi-threading capable of utilizing high-core processors
  - Completely modifiable and dynamically loaded infinite open world
  - Regression unit testing using the JUnit library
- Typescript **Real-time Messaging Web Application** [chatter.michaelconnor.ca](https://chatter.michaelconnor.ca)
- Uses RESTful API and websockets, with PostgreSQL storage and React UI
  - Features secure authentication with salted hashing of passwords
  - Deployed on AWS instance with a load balancer to provide SSL certificate
- Java **JSON Parsing Library for Java** [github.com/michaelconnor468/JSONParse](https://github.com/michaelconnor468/JSONParse)
- Library used to write and read java objects into a modified JSON format
- Java **Krisp Language and Compiler** [github.com/michaelconnor468/KrispCompiler](https://github.com/michaelconnor468/KrispCompiler)
- Front end compiler that generates intermediate machine code similar to x86
  - Krisp language supports basic constructs such as variables and loops

## Education

- 2021 - 2023 **Master's in Computer Science**  
Georgia Institute of Technology
- 2017 - 2021 **Bachelor's in Computer Science and Mathematics**  
University of Toronto