Victory Omole
https://github.com/vtomole

Email : vtomole@iastate.edu
Phone : 515-259-7269

OBJECTIVE

Seeking an intership, co-op or full-time position that will allow me to take full advantage of my passion and experience in Software Engineering.

EDUCATION

- **Iowa State University** — Ames, IA
  Bachelor of Science, Computer Engineering ; GPA: 3.02/4.00 *Expected graduation: May 2018*

HONOR

Iowa State Deans List, Spring 2017.

PROJECTS

- **C48**
  A Modern Scalable Programming Language *September 2017 - Present*
  - **Parser**: Implemented a parser that can parse arithmetic expressions and build an abstract syntax tree out of these expressions.
  - **Intepreter**: Implemented an intepreter that can walk the absract syntax tree and apply function operators to it's arguments.

- **Aubree**
  A Quantum Computing Playground *May 2017 - Present*
  - **Web stack**: Wrote a Web page and forum for Quantum Computing enthusiasts.
  - **Simulators**: Implemented a Topological quantum computer simulator and Quantum gate array simulator.

- **Evie**
  A Programming Language Playground *September 2016 - Present*
  - **Cantor**: Wrote a programming language inspired by Set Theory that won a prize for "Most interesting project" in a Fall 2016 Hackathon.
  - **Shell**: Implemented a Shell intepreter that is capable of executing Linux shell commands.
  - **Kiana**: Wrote a virtual machine that is capable of interpreting an assembly language.

- **Victorys AI Playground**
  Documenting my education on Machine Learning *May 2016 - August 2016*
  - **AIPlayground**: Programmed basic neural networks in Jupyter Notebook, then trained these neural networks on a GPU.
  - **Blog**: Implemented in Django and deployed using Heroku: https://victorysaiplayground.herokuapp.com/

PROGRAMMING SKILLS

Skilled: Java, C, Quantum Computing, Common Lisp, Scheme
Experienced: Python, Linux, Git, BASH, Emacs, HTML
Basic competancy: Javascript, PHP, C++, Ruby

EXPERIENCE

- **Iowa State Academic Success Center** — Ames, IA
  Tutor *September 2017 - Present*
  - **Tasks**: I help students understand the material that is taught in the "Theoretical Foundations in Computer Engineering" class. I am also tutoring a "MultiVariable Calculus" class.

WRITING

Architecture for a trapped ion quantum computer https://vtomole.github.io/static/microwave-arch.pdf