Victory Omole
https://github.com/vtomole

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OBJECTIVE

Seeking an intership, co-op or a 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 — *Expected graduation: May 2018*

HONOR

Iowa State Deans List, Spring 2017.

PROJECTS

- **qc-hack-harvard** — https://github.com/vtomole/qc-hack-harvard
  Visualizing quantum computing algorithms in the browser — *October 2017 - Present*
  - **Virtual machine**: Implemented a virtual machine in Python to execute Quantum Algorithms for the frontend.
  - **Hack Harvard**: Won the Hacker Prize (Sharing information openly; doing something for its own sake; finding creative solutions to problems.) at Hack Harvard.

- **C48** — https://github.com/vtomole/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.

- **Evie** — https://github.com/vtomole/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** — https://github.com/vtomole/victorysaiplayground
  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 competency: 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