Victory Omole
https://github.com/vtomole
Email : vtomole@iastate.edu
Phone : 607-744-2975

Objective

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

Education

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

Projects

- **C48**
  A Modern Scalable Programming Language — *September 2017 - Present*
  - **Parser**: Parser can parse arithmetic expressions and build an abstract syntax tree out of these expressions.
  - **Intepreter**: Intepreter can walk the absract syntax tree and apply function operators to it's arguments.
- **Aubree**
  A Quantum Computing Playground — *May 2017 - Present*
  - **Web stack**: Web page and forum for Quantum Computing ethusiasts
  - **Simulators**: Topological quantum computer simulator and Quantum gate array simulator
- **Evie**
  A Programming Language Playground — *September 2016 - Present*
  - **Cantor**: Programming language inspired by Set Theory. Won prize for most interesting project in a Fall 2016 Hackathon.
  - **Shell**: Shell intepreter.
  - **Kiana**: Virtual machine that interprets an assembly language.
- **Victorys AI Playground**
  Documenting my education on Machine Learning — *May 2016 - August 2016*
  - **AIPlayground**: Programmed basic neural networks in Jupyter Notebook. Trained 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, Go, C++, Ruby on Rails, Haskell, Rust, Django, OCaml, MIPS, Clojure, Nginx, AWS

Experience

- **Iowa State Academic Success Center** — Ames, IA
  Tutor — *September 2017 - Present*
  - **Task**: Help students understand the material that is taught in the "Theoretical Foundations in Computer Engineering" class.
- **Home Depot** — Plymouth, MN
  Freight Team — *Summer of 2015 and 2016*
  - **Tasks**: Stocked shelves and hepled customers find items.

Writing

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