

# VICTORY OMOLE

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Quantum Computing, Programming Language Development, Full Stack Web and Machine Learning

## EDUCATION

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### Iowa State University

*B.Sc. Computer Engineering.*

Ames, IA

*September 2014 - Present*

- **Relevant Coursework:** Introduction to Object-oriented Programming, Introduction to Data Structures, Digital Logic, Computer Organization and Assembly Level Programming, Software Development Practices, Design and Analysis of Algorithms, Advanced Programming Techniques, Computer Networking
- **Technical Skills:** Quantum Programming, C, C++, Java, Python, Common Lisp, Javascript, Haskell, Emacs, VHDL, Verilog, Machine Learning, Linux, Git, Intel Math Kernel Library (MKL), Eigen
- **Honor:** Dean's List, Spring 2017

## WORK EXPERIENCE

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### Iowa State Academic Success Center

*Tutor*

Ames, IA

*September 2016 - April 2017*

- Tutor for "Theoretical Foundations in Computer Engineering" and "Single Variable Calculus"
- Held Biweekly group tutoring sessions with groups of four students
- Communicated with students to explain mathematics in an easy to understand language
- Helped students build continuously increasing knowledge
- Applied active learning strategies to encourage participation

### Home Depot

*Freight Team - Pack Down Associate*

Plymouth, MN

*May 2015 - August 2016*

- Responsible for movement of incoming load and freight shipments from trucks
- Used Pallet Jack to deliver products to departments accurately and efficiently
- Trained, Tested and Experienced using "First Phone" to locate, inventory, accurately price and tag product, check other stores "On Hands" request transfers and place product orders
- Stocked and replenished merchandise according to merchandising layouts
- Routinely answered customer questions with product knowledge through Vendors, Associates, and Experience
- Stacked and stored pallets at the end of the shift to keep store clean and safe

## PROJECTS

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**Hackathons:** Hacker prize at Hack Harvard 2017, Most interesting project at Hack ISU 2016, AWS Education prize at Hack ISU 2018

**QCHackers:** Group of Undergraduate students from Iowa State, University of Colorado-Boulder and MIT studying Quantum Computing

**Eagle:** Quantum Programming library that simulates Distributed Quantum Computation

**Rigetti Forest:** Provide customer support for new users, fix documentation and code issues in pyQuil and Grove

**C48:** Senior Design programming language inspired by C, Python, and Scheme

**AI Playground:** Machine Learning blog built with Django and Heroku

**SnapBin:** Snapchat-like Android application that sends directories of photos

**Caffe2:** Fixed cloning bug in a popular Deep Learning framework

## PRESENTATIONS

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**Introduction to Quantum computing:** 15 minute presentation on Quantum computing for Electrical and Computer Engineering students