

# ALONZO O. HERNANDEZ

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**Website:** <http://alonzoh.me/> **GitHub:** <https://github.com/alonzohz/>

## OBJECTIVE

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To obtain a summer 2016 software development internship with an industry-leading technology company

## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

August 2016 – Present

(Expected Graduation: May 2020)

- Candidate for Bachelor of Science in Computer Science
- Threads: Modeling and Simulation, Theory

### Gwinnett School of Mathematics, Science, and Technology

Lawrenceville, GA

August 2012 – May 2016

- GPA: 4.0/4.0

## WORK EXPERIENCE

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### Brown Lab for Cold Molecular Ions and Quantum Information

Atlanta, GA

June 2014 – May 2016

*Researcher*

- Employed linear algebra to describe quantum systems for computer simulation
- Programmed a simulator in Python to find the output of various quantum circuits
- Led cluster parallelization of lab's simulator with MPI standards

### Collins Hill Park Peewee Baseball League

Lawrenceville, GA

January 2013 – September 2015

*Coach*

- Assisted in the creation of batting lineups based on metrics compiled over the season
- Directed elementary school students in baseball drills and technique
- Worked one-on-one with children to focus skill development

## SKILLS

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**Languages:** Java, Python, PHP, SQL

**Operating Systems:** Windows, Ubuntu

**Software:** cPanel, MySQL, Vim, Netbeans, Adobe Photoshop, Mathematica

## ACTIVITIES

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### GSMST Smash League

<http://alonzoh.me/smash/>

February 2016 – July 2016

- Organized weekly Super Smash Brothers tournaments with brackets and statistics
- Compiled and analyzed extensive data related to tournament matches to find trends in skill
- Developed a website using PHP to make player information and analysis available to competitors

### Mechanical Keyboard Construction

September 2015 – June 2016

- Sourced diverse electrical components based on budget constraints
- Built working computer input devices from scratch including assembly and programming
- Constructed an understanding of circuit design and microcontrollers

### FIRST Robotics Team 3318

August 2014 – May 2016

- Updated the robot's Java code for each season's new challenge
- Ensured the efficacy of the robot's code before matches at competitions