

ALONZO O. HERNANDEZ

1301 Pinshyre Court, Lawrenceville, GA 30043 • (678) 557-2536 • alonzo.hernandez@gatech.edu

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

OBJECTIVE

To obtain a summer 2017 software development internship with an industry-leading technology company

EDUCATION

Georgia Institute of Technology

Atlanta, GA

August 2016 – Present

(Expected Graduation: May 2020)

- Candidate for Bachelor of Science in Computer Science
- Threads: Information Internetworks, People

Gwinnett School of Mathematics, Science, and Technology

Lawrenceville, GA

August 2012 – May 2016

- GPA: 4.0/4.0

WORK EXPERIENCE

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 Pee wee 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

Languages: Java, Python, PHP, SQL

Operating Systems: Windows, Ubuntu

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

ACTIVITIES

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