



ALEXANDER FERRARA

Public Trust Clearance

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OBJECTIVE

I am seeking a full time position to further extend my range of skills in the field of computer engineering. An ideal position will provide challenging problems involving emerging technologies in which I can leverage the skills obtained through my education and prior work experience.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Bachelor of Science, Computer Engineering | 3.48 Cumulative GPA

Atlanta, GA

August 2013 – May 2017

WORK EXPERIENCE

Booz | Allen | Hamilton

Atlanta, GA

Developer Intern

May 2014 – August 2016

Completed work full-time during summer semesters, as well as part-time throughout primary academic semesters

- Contracted with the Center for Disease Control and Prevention, working directly with senior engineers.
- Contributed source code for eight key client applications.
- Leveraged my skills with numerous programming languages, primarily surrounding full stack web development.
- Developed for projects throughout the stages of a software performance lifecycle (EPLC), all utilizing agile methodology.
- Produced hundreds of pages of technical design documentation for legacy systems.
- Exemplified leadership and presentation skills through management consulting oriented intern case competition over the duration of each summer – winning first place and acting in the role of team leader.

Georgia Institute of Technology

Atlanta, GA

Undergraduate Teaching Assistant - Digital Design Laboratory

August 2015 – December 2015

Course focused on rapid prototyping of digital systems and FPGA design

- Facilitate a lab section of 25 students – aiding and providing work completion verifications.
- Manage and maintain required labs totaling approximately 200 students per semester.
- Assist students with any technical or conceptual difficulties that arise.
- Resolve hardware issues or redirect to appropriate technical support channels.
- Oversee project centered around I²C Controller with SCOMP I/O Interface.

Team Haplit – Georgia Tech Idea to Prototype Program, CreateX Startup Summer

August 2015 - Present

Multidisciplinary effort to develop a more affordable and durable learning aide for the visually impaired

- Worked closely with others from varying technical backgrounds on multidisciplinary design effort.
- Provided electrical hardware and digital design expertise in design of refreshable braille display.
- Awarded Best Overall Project in Georgia Tech's Idea to Prototype program.

Go@It

November 2015 - Present

Mobile Application Developer

Independent contract development of a social networking application to connect athletes and organize events

- Utilized emerging mobile development tools and technologies.
- Responsible for front end design implementation as well as select backend capabilities.

SKILLS AND INTERESTS

Proficiencies: C++, Digital Logic Design, MIPS Assembly, Full Stack Web Development Languages, Java, C, Oscilloscopes,

Experience with: Powershell, Digital Logic Analyzers, Modelsim, MATLAB, VHDL, Signal Processing, C#, SQL, Python

Volunteer: Atlanta Mission, Seven Bridges, Missionaries of the Poor (Kingston, Jamaica)

Awards: Eagle Scout, Zell Miller Scholarship Recipient, International AP Scholar

Involvement: Greek Peer Educator, Kappa Sigma Fraternity Technology Chair, GT Lorraine Study Abroad Program