ALEXANDER FERRARA

Public Trust Clearance
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OBJECTIVE

I am seeking a summer 2016 internship position to further extend my range of skills and gain additional experience working in the field of computer engineering. Some degree of hardware development exposure is preferred.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, GA**
School of Electrical and Computer Engineering   *August 2013 – May 2017*
101 credit hours completed   *3.41 Cumulative GPA*

WORK EXPERIENCE

Booz | Allen | Hamilton   **Atlanta, GA**
Developer Intern   *May 2014 – September 2015*
Completed work full-time during summer semesters, as well as half-time throughout primary academic semesters

- Contracted with the Center for Disease Control and Prevention, working directly with senior engineers.
- Contributed source code for six key internal applications.
- Leveraged my skills with numerous programming languages, primarily concerned with web application development.
- Developed for projects throughout the stages of a software performance lifecycle (EPLC), all utilizing the agile methodology.
- Produced hundreds of pages of technical design documentation for legacy systems.
- Exemplified presentation skills and leadership 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 – Present*
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 redirecting to appropriate technical support channels.
- Oversee project centered around I^2C Controller with SCOMP I/O Interface.

Undergraduate Research - Idea to Prototype Program   *August 2015 – Present*
Working as one of five members on Team Haplit with advisor Craig Forest

- Working closely with others from varying technical backgrounds on multidisciplinary design effort.
- Providing electrical hardware expertise in development of device aimed to improve literacy rates among the visually impaired population.
- Developing a portable, cost-effective refreshable braille display to be used as a braille teaching aid.
- Awarded Best Overall Project in Georgia Tech's Idea to Prototype program

SKILLS AND INTERESTS

Proficiencies:	C++, Digital Logic Design, MIPS Assembly, jQuery, JavaScript, Java, C, HTML, CSS3
Experience with:	Modelsim, MATLAB, VHDL, Signal Processing, C#, SQL, ASP .NET, Python
Volunteer:	Atlanta Mission**,** Seven Bridges, Missionaries of the Poor (Kingston, Jamaica)
Awards Received:	Eagle Scout, Zell Miller Scholarship Recipient, International AP Scholar
Involvement:	Greek Peer Educator**,** Kappa Sigma Fraternity Technology Chair