

**Joshua L. Shapiro**  
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## EDUCATION

### **The George Washington University | Washington, DC**

**2013-2017**

School of Engineering and Applied Science  
Bachelor of Science in Computer Science in Honors Program  
Clark Engineering Scholar, Dean's Scholar, Member of Tau Beta Pi Engineering Honor Society  
Current GPA – 3.86

### **Korea University | Seoul, South Korea**

**Spring 2016**

Exchange Program

### **Relevant Coursework**

Discrete Structures 1 & 2, Introduction to Java, Algorithms and Data Structures, Algorithms II, Database Systems, Computer Architecture, Software Engineering, Systems Programming, Introduction to Robotics Manipulation, Operating Systems, Foundations of Computing, Computer Graphics

## WORK/PROFESSIONAL EXPERIENCE

### **IBM | Rochester, MN | *Cloud Software Development and Testing Intern***

**Summer 2015 - Present**

Working in IBM's Cloud Managed Services (CMS) developing internal toolsets to aid in automation and continuous integration  
Created report generation tools for CMS project lifecycle management platform (Rational Team Concert) enabling a more accurate measure of progress and a greater efficiency in allocating resources  
Automated creation and upkeep of data in CMS project lifecycle management platform (Rational Team Concert) providing greater data integrity and accuracy across all of CMS  
Currently working for the Continuous Integration team focusing on automation to ensure streamlined code deployment.

### **Pedal Forward, LLC | Washington, DC | *Intern***

**2015**

Planned and organized upcoming Kickstarter campaign to kick off marketing strategy  
Competed in the 2015 Rice Business Plan Competition, winning \$10,000 for Best Social Venture

### **The George Washington University Positronics Lab | Washington, District of Columbia | *Researcher***

**2014-2015**

Assisted in development and programming of inexpensive quadruped robot powered by Raspberry Pi.  
Programmed Dynamixel servos with Python to control movement of quadruped.  
Studied how humans fall to aid in the research and development of robots that could help the elderly

### **Full-Duplex Communications Corporation | Tampa, FL | *Intern***

**Summer 2014**

Designed user interface for OS X program focusing on personal organization and password storage.  
Developed password generator in Objective C that was implemented into the program.

### **Xcira Auction Management Solutions | Brandon, FL | *Intern***

**Summer 2013**

Software development and troubleshooting for auction management systems.  
Fixed bugs and updated data for customer websites and company databases using PHP, SQL, and JavaScript.

## EXTRACURRICULARS/LEADERSHIP

### **Association for Computing Machinery Vice President**

**Fall 2015**

Co-leading The George Washington University branch of ACM  
Arranging speakers, tutoring, and outreach events for the upcoming year

### **Undergraduate Teaching Fellow for Computer Architecture**

**Fall 2015**

Increase student's understanding of course material  
Assist the professor in leading students through class exercises  
Co-lead weekly study hall to help students with course projects

### **Member of Alpha Chi Sigma (Professional Chemistry Fraternity), Systems Hacking Club**

**Present**

## TECHNICAL SKILLS

Experienced in Java, Adobe Photoshop, InDesign, Autodesk Inventor, Microsoft Office.  
Working knowledge in C, Python, HTML, PHP, SQL, Agile Programming methodologies, Rational Team Concert