

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 – 3.88

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, Machine Learning, Introduction to Statistical Natural Language Processing

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, DC | *Research Assistant*

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 mockup user interface for OS X program focusing on personal organization and password storage
Developed random password generator 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 Executive Board Member

Fall 2015-Present

Assisting with The George Washington University branch of ACM
Arranging speakers, tutoring, and outreach events for the upcoming year
Acting as liaison between ACM and The Office of Innovation and Entrepreneurship
Planned and organized inaugural George Washington University Hackathon (2015)

Undergraduate Teaching Fellow for Computer Architecture, Software Engineering, and Algorithms II

Fall 2015-Present

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

TECHNICAL SKILLS

Experienced in Java, git, Rational Team Concert, Agile Programming methodologies, Adobe Photoshop, InDesign
Working knowledge in C, Python, HTML, PHP, SQL, Chef, Elastic Stack, Docker, Vagrant