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, Database Systems, Operating Systems, Foundations of Computing, Algorithms and Data Structures, Algorithms II, Continuous Algorithms, Computer Architecture, Software Engineering, Systems Programming, Introduction to Robotics Manipulation, Machine Learning, Introduction to Statistical Natural Language Processing, Deep Question Answering with IBM Watson

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,   **Fall 2015-Present**
Software Engineering, and Algorithms II

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