**Joshua L. Shapiro**

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PO Box 24514 Tampa, FL 33623

**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, Deep Question Answering with IBM Watson, Continuous Algorithms

**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