Joshua L. Shapiro

(202) 351-1972 | joshua.shapiro@me.com
320 E 46th St, 27B, New York, NY 10017

EDUCATION

The George Washington University | Washington, DC **2013-2017**

School of Engineering and Applied Science
Bachelor of Science in Computer Science (Honors Program)
Clark Engineering Scholar, Dean's Scholar, Member of Tau Beta Pi Engineering Honor Society
GPA: 3.89, Suma Cum Laude

Korea University | Seoul, South Korea **Spring 2016**

Exchange Program

Relevant Coursework

Algorithms and Data Structures, Software Engineering, Operating Systems, Theory of Computing and Compilers, Computer Architecture, Systems Programming and Embedded Systems, Discrete Mathematics, Probability and Statistics, Autonomous Robotic Manipulation, Machine Learning, Deep Learning, Statistical Natural Language Processing, Deep Question Answering with IBM Watson

PROFESSIONAL EXPERIENCE

ASAPP | New York, NY | *Machine Learning Engineer* **July 2018 – Present**

Member of the Machine Learning team focused on bringing research projects to production
Working on exciting problems in the domain of natural language processing

IBM Research | Yorktown Heights, NY | *Cognitive Software Engineer* **September 2017 – June 2018**

Worked in the Data Centric Systems Department at the intersection of high performance computing and deep learning
Researched novel techniques for highly scalable video action classification that outperform current state-of-the-art in terms of accuracy and speed
Created temporal state detection and clustering algorithms for molecular dynamics simulations

IBM | Rochester, MN | *Cloud Software Development and Testing Intern* **May 2015 – September 2017**

Worked 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

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

EXTRACURRICULARS/LEADERSHIP

GWU Association for Computing Machinery Executive Board Member **Fall 2015-Summer 2017**

Arranged annual speakers, tutoring, and outreach events
Acted 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, 2016**

Assisted the professors in leading students through class exercises
Co-lead weekly study halls and tutoring sessions to help students with course projects
Created and hosted exam review sessions to facilitate student success

TECHNICAL SKILLS

Deep Learning: PyTorch, CNNs, Autoencoders, cuda, high performance computing
Programming: Java, Python, Jupyter Notebooks, C, HTML
Technical Tools: Git, Rational Team Concert, Jira, Docker, Agile Programming Methodologies