James Martin

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EDUCATION

Master of Science, Computer Science
University of North Carolina at Chapel Hill, May 2016

Bachelor of Science with Highest Honors, Computer Science
University of North Carolina at Chapel Hill, May 2015
Minor: Philosophy, Politics, and Economics

EXPERIENCE

Extreme Blue Intern Software Engineer Summer 2015
IBM Corporation
- One of sixteen interns selected for the Austin, Texas Extreme Blue lab
- Partnered with two other engineers and an MBA student to complete a project in three months with input from mentors and stakeholders in IBM Commerce
- Designed, architected, and built a Bluemix hosted Java based API using IBM Twitter Insights, Watson language processing, and Cloudant NoSQL storage

Intern Software Engineer Summer 2014
IBM Corporation
- Integrated into an existing team within a week to assist with development of a network configuration assistant for the System z Mainframe
- Wrote Java server code and created handlers for RESTful calls

Teaching Assistant Spring 2014, Fall 2015
University of North Carolina at Chapel Hill
- (F15) COMP 283, Discrete Math for Computer Science Majors (70 students)
- (S14) COMP 116, Introduction to Scientific Programming (>200 students)

Admissions Ambassador Fall 2013 - Spring 2015
University of North Carolina at Chapel Hill
- Highly selective volunteer position representing the Admissions office
- Led experience based tours for visiting prospective students and families

SKILLS

Languages: Java, Python, JavaScript / Node.js, MATLAB, SQL/NoSQL, LaTeX
Operating Systems and Tools: Unix, Mac OS, Windows, git, IBM Rational Tools, IBM Bluemix, Cloudant, MongoDB, Jupyter

PROJECTS AND RESEARCH

Jupyter a11y, an accessibility extension for Jupyter Notebooks geared towards visually impaired users

Evaluating word2vec models using Reddit comments

Undergraduate Honors Thesis and slides from my defense
- Self-guided research projected completed in May 2015, one of four Computer Science undergraduates granted Highest Honors
- Designed and ran experiments and data analysis to evaluate success of a new network performance measurement tool to challenge state of the art methods