Garrett Heath Koller

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Goal: High impact software engineering in the realm of high performance computing (supercomputing)

Skills: Java (Eclipse, MVC, Spring, Hibernate), Python, C, iOS Apps, Web Apps (JQuery, JSP, SOAP), Oracle SQL, UNIX admin, Subversion, Git, Supercomputing (MPI, Condor, Hadoop/MapReduce)

Courses: Parallel Programming, Cryptography, Distributed Systems, Programming Language Design

Clearance: Current Top Secret SCI (CI Poly: August 11, 2015. / SCI DIA INDOC: August 13, 2015.)

Education

Washington and Lee University, Lexington, VA *(2010–2014)*
B.S. Computer Science, concentration in Music (Graduated 2014) — GPA: 3.3 / Major GPA: 3.4

Oklahoma School of Science and Mathematics, Oklahoma City, OK *(2008–2010)*
This college-preparatory residential charter high school intentionally omits GPAs on its transcripts.

Employment

- Software Engineer at Catalist *(September 2015–)*
  - Enhanced voter information database Elasticsearch to support progressive social campaigns
- Software Engineer Consultant at Booz Allen Hamilton *(July 2014–September 2015)*
  - Developed mission support software for a DoD client on the C3E DIA/Military Intel team
  - Utilized Java Spring and Hibernate frameworks and an Oracle Database to serve a web interface front-end
- Interning Research Assistant at Booz Allen Hamilton *(June 2013–August 2013)*
  - Engineered solution using PHP and Java to increase browser anonymity for a DIA marketing project
- Technical specialist at the Information Technology Services HelpDesk at W&L *(April 2012–June 2014)*
  - Resolved a 2-year recurring problem with the campus's Aruba Wi-Fi network and Apple devices
- Research Assistant of Computer Science at W&L with Dr. Joshua Stough *(June 2011–May 2014)*
  - Developed a Condor supercomputing environment and provided support and system administration
- Information Technology Client Services Assistant at W&L *(September 2010–May 2011)*
  - Created videos promoting the ITS department, the university library, and the services they offer

Honors and Awards

- Johnson Scholarship Recipient, Washington & Lee University, Lexington, VA *(2010–2014)*
  - $250,000 full-ride scholarship covering tuition and room and board
- Algernon Sydney Sullivan Award nominee, Washington & Lee University, Lexington, VA *(2014)*
- Eagle Scout Rank of the Boy Scouts of America *(2010)*
  - Built cavalettis for a counseling center (22.5 hours of planning and action)
- Dean's Academic Honor List at Washington & Lee University *(2011)*
- Robert E. Lee Research Scholars Program Participant *(2011)*
  - Deployed a Condor supercomputing/HTC cluster on my university's campus
- 2nd place in the 2011 EDUCAUSE Security Awareness Video Contest *(2011)*

Leadership and Activities

- Secretary of GLOBE, BAH's Lesbian, Gay, Bisexual, and Transgender Employee Diversity Group *(2014–2015)*
- Hackathons hosted by Booz Allen Hamilton: *(2014–2015)*
  - PyNight (Feb 2015): 5th place out of 200 contestants in Python programming competition
  - Hack-A-Thon for Hope (2014): Created model to predict genocide for the Holocaust Memorial Museum
- Vice President and Secretary of the W&L Chapter of Association for Computing Machinery *(2012–2014)*
- W&L IT Advisory Committee Member (informed W&L ITS of technology needs on campus) *(2010–2014)*
- Attended the SC11 High Performance Computing Conference in Seattle, WA *(2011)*
- Vice President for Recruitment of the Sigma Phi Epsilon Fraternity at W&L *(2011–2013)*
- Co-founder and Social Media Chair of the LGBTQA Rockbridge Alliance community organization *(2013–2014)*
- Treasurer of the GLBTQ Equality Initiative at W&L *(2012–2014)*