Garrett Heath Koller

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Goal: Engineering software that improves peoples' lives and has a positive impact on society
Skills: Python, Java (EE, Tomcat, HK2, Guice), Scala, Web Apps (JavaScript, TypeScript, React), Ruby, C, Docker, APIs, Databases (PostgreSQL), Linux, Git, iOS, Supercomputing (MPI, HTCondor, Hadoop)
Courses: User Experience Design, Parallel Programming, Cryptography, Programming Language Design

Employment

- Senior Software Engineer at Catalist, LLC   *(September 2015–Present)*
  - Developed and managed well-documented APIs using Scala, Java, and Tomcat to integrate with clients
- 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-long 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 an HTCondor 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

Education

General Assembly, Washington, DC   *(Sep 2017–Dec 2017)*
User Experience Design course (part-time, on-campus)

Washington and Lee University, Lexington, VA   *(2010–2014)*
B.S. Computer Science, concentration in Music (Graduated 2014)

Honors and Awards

- Johnson Scholarship Recipient, Washington & Lee University, Lexington, VA   *(2010–2014)*
  - $250,000 full-ride merit-based 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 equestrian training equipment for a counseling center (22.5 hours of planning and action)
- Robert E. Lee Research Scholars Program Participant   *(2011)*
  - Deployed and managed an HTCondor supercomputing/HTC cluster on university 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
- 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)*
- Vice President for Recruitment of the Sigma Phi Epsilon Fraternity at W&L   *(2011–2013)*
- 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)*