

## Garrett Heath Koller

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**Goal:** High impact software engineering in the realm of high performance computing (supercomputing)  
**Skills:** Java (Eclipse, Spring, Hibernate, Tomcat), Scala, Python, C, iOS Apps, Web Apps (JQuery, CSS), APIs (Swagger), Databases (Oracle), UNIX admin, Git, Supercomputing (MPI, Condor, Hadoop)  
**Clearance:** Top Secret SCI (CI Poly: August 11, 2015. / SCI DIA INDOC: August 13, 2015.) while at Booz Allen  
**Courses:** Parallel Programming, Cryptography, Distributed Systems, Programming Language Design

### Employment

- 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 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

### Education

**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 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)
- 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)