

# Garrett Heath Koller

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## 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)

**Goal:** Engineering software that improves peoples' lives and has a positive impact on society  
**Skills:** Python, Java (EE, Tomcat, HK2, Guice), Scala, JavaScript, TypeScript, React/Redux, Ruby, C, APIs, Cloud (GCP, AWS), CI/CD (Docker, Bamboo, Ansible), Git, DBs, Linux, HTC (Hadoop/Cloudera)

## Employment

- Senior Software Engineer at Catalyst, LLC (September 2015–Present)
  - Created full-stack client-facing file processing web app using Java, Scala, TypeScript, and React
  - Enhanced multiple public-facing APIs written in Java and Scala to better fit clients' big data needs
  - Taught 3 concurrent company-wide Python bootcamp courses: beginner, intermediate, and advanced
  - Automated code integration (CI) and unit tests in an isolated, containerized way using Docker Compose
  - Architected and automated code deployments (CD) to a new Blue/Green deployment model
  - Developed Scala code that leveraged Elasticsearch to reconcile records from disparate big data sources
- 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 app
- 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

## 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)
- 2nd place in the 2011 EDUCAUSE Security Awareness Video Contest (2011)

## Leadership and Activities

- Secretary of GLOBE: Booz Allen Hamilton's LGBTQIA+ 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 LGBTQIA 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)