Brandon **Gottlob**

SOFTWARE ENGINEER

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Education

The College of New Jersey (TCNJ)   *Ewing, NJ*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MINOR IN FINANCE   *Class of 2016*
Honors: *summa cum laude*, Phi Beta Kappa, Upsilon Pi Epsilon, Phi Kappa Phi

Skills

Programming Languages   C, C++, Erlang, Ruby, Java, Python, Objective-C, JavaScript, HTML, CSS
Platforms & Tools   Bash, Git, AWS, CouchDB, MySQL, OpenMP, Node.js, Selenium, Docker, Vim, GNU/Linux

Professional Experience

Tabula Rasa HealthCare, Inc. (TRHC)   *Moorestown, NJ*
SOFTWARE QUALITY ASSURANCE ENGINEER   *May 2016 - Present*
- Led test team for cloud-based platform *MedWise Advisor*, which provides medication risk mitigation services to Medicare patients
- Discovered, triaged, and diagnosed production bugs, drafted detailed reports, and proposed technical approaches to fixing bugs
- Developed automated integration and regression test suite for back-end microservices and user interfaces using Ruby and Selenium
- Performed acceptance testing, designed system architecture, created deployment strategies, and performed code reviews
- Communicated with product management and stakeholders to ensure acceptance test criteria meets business needs

Lehigh University - National Science Foundation Smart Spaces REU Site   *Bethlehem, PA*
UNDERGRADUATE RESEARCHER   *Summer 2015*
- Built English command interpreter for a robot to understand various sentence structures and synonymous connections between words
- Utilized natural language processing tools and techniques including part-of-speech tagging, semantic similarity graphs, and stemming

AmeriHealth Caritas - Enterprise Information Management (EIM)   *Philadelphia, PA*
INTERN   *Summer 2014*
- Developed internal website for enterprise level data warehouse reference materials and data governance policies

Projects

Stock Portfolio Performance Simulator   *Fall 2015 - Spring 2016*
- Utilized Monte Carlo methods and lognormal price process model to simulate future returns of portfolios from historical prices
- Implemented in C and parallelized for multicore processors using OpenMP

Room Occupancy Detection in TCNJ Library   *Fall 2014 - Spring 2015*
- Developed passive infrared motion sensor and Bluetooth iBeacon based systems to detect occupants in library group study rooms
- Presented project implementation and findings in ACM Student Research Competition at SIGCSE Conference 2015 in Kansas City, MO

TCNJ Connect Mobile Application   *Spring 2013 - Spring 2016*
- TCNJ Connect provided students with academic services, event calendars, and emergency services
- Implemented cross-platform database, and created processes and documentation for simple maintenance of app content

Community Involvement

Arch Linux - Official Tester   *June 2017 - Present*
- Perform basic testing on packages in testing repositories and report bugs to help support Arch's rolling release schedule

Association for Computing Machinery (ACM) - TCNJ Chapter
PRESIDENT (2015 -2016) & VICE PRESIDENT (2014 - 2015)
- Organized weekly meetings, performed outreach to new students, and ran computer science departmental events
- Organized annual hackathon *HackTCNJ* and raised funds through corporate sponsorship

Awards

2015	**Inductee**, New Jersey Governor's STEM Scholars Program
2013	**Student Research Poster Award**, Consortium for Computing Sciences in Colleges (CCSC) Eastern Conference