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*

- Lead test team for cloud-based platform *MedWise Advisor*, which provides medication risk mitigation services to Medicare patients
- Discover, triage, and diagnose production bugs, draft detailed reports, and propose technical approaches to fixing bugs
- Develop automated integration and regression test suite for back-end microservices and user interfaces using Ruby and Selenium
- Perform acceptance testing, design system architecture, create deployment strategies, and perform code reviews
- Communicate 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 synonyms using Python
- Utilized natural language processing tools and techniques including part-of-speech tagging, semantic similarity graphs, and stemming

AmeriHealth Caritas *Philadelphia, PA*

Enterprise Information Management 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)

- Planned weekly meetings, ran computer science departmental events, and organized annual hackathon, HackTCNJ

Awards

2015 **Inductee**, New Jersey Governor's STEM Scholars Program

2013 **Student Research Poster Award**, Consortium for Computing Sciences in Colleges (CCSC) Eastern Conference