Brandon Gottlob
Software Engineer

☎ (609) 560-8651 | ✉ info@bgottlob.com | ⌂ www.bgottlob.com | bgottlob

Education

The College of New Jersey (TCNJ)   *Ewing, NJ*
Bachelor of Science in Computer Science; Minor in Finance   *Class of 2016*
Cumulative GPA: 3.98

Skills

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

Professional Experience

Tabula Rasa HealthCare, Inc. (TRHC)   *Moorestown, NJ*
Software Quality Assurance Engineer   *May 2016 - Present*
- Testing lead for cloud-based platform *MedWise Advisor*, which provides medication risk management services to high-risk Medicare patients
- Uncovered and triaged pre- and post-production bugs, drafted detailed reports, and proposed technical approaches to fixing bugs
- Built automated integration and regression test suite for back end microservices and user interface using Ruby, Selenium, and Docker
- Performed exploratory and acceptance testing for user facing stories and performed integration testing for back end microservices
- Communicated with product owner and stakeholders to ensure acceptance criteria meets business needs
- Earned PTCB pharmacy technician certification to demonstrate and bolster domain knowledge

Lehigh University - National Science Foundation Smart Spaces REU Site   *Bethlehem, PA*
Undergraduate Researcher   *Summer 2015*
- Created software to determine appropriate robot actions given English commands
- Interpreter performs natural language processing tasks such as part-of-speech tagging and stemming for command analysis
- Understands various sentence structures and builds synonymous connections between words

AmeriHealth Caritas - Enterprise Information Management (EIM)   *Philadelphia, PA*
Intern   *Summer 2014*
- Independently developed responseive website on company intranet for EIM department containing reference materials for data warehouse users and explanations of EIM department functions
- Created documentation and website maintenance guide to train EIM employees on basic website maintenance tasks
- Completed training on implementation of enterprise level data governance, profiling, and master data management in large businesses, specifically the health care industry

Projects

Portfolio Performance Simulator   *Fall 2015 - Spring 2016*
- Utilized Monte Carlo methods and lognormal price process model for simulating future returns of stock portfolios based on historical price data
- Written in C and parallelized for multicore processor using OpenMP
- Researched methods for generating uncorrelated random variables in parallel architectures

Room Occupancy Detection in TCNJ Library   *Fall 2014 - Spring 2015*
- Developed system to detect occupants in library group study rooms and provide room availability in real time
- Implemented and compared Estimote Beacon (iBeacon technology) and passive infrared motion sensor approaches to system
- Presented project in ACM Student Research Competition at SIGCSE Conference 2015 in Kansas City, MO

TCNJ Connect iOS Application   *Spring 2013 - Spring 2016*
- Created an iOS app available on App Store in May 2013
- TCNJ Connect provided current TCNJ students with academic services, event calendars, and emergency services
- Developed foundational code structure, debugged, and integrated with peer collaborator's front-end work
- Implemented cross-platform database, increased modularity of class design, and created processes and documention for simple maintenace of app content

Honors & Awards

2015	**Inductee**, Upsilon Pi Epsilon, International Honor Society for Computing and Information Disciplines
2015	**Inductee**, Phi Beta Kappa Honor Society
2015	**Inductee**, Phi Kappa Phi Honor Society
2015	**Inductee**, New Jersey Governor's STEM Scholars Program
2014 - 2016	**Awardee**, Innovative Projects in Computational Science (iPics) Scholarship
2012 - 2016	**TCNJ Dean's List**, Every semester
2012 - 2016	**TCNJ Computer Science Awards**, Freshman, Sophomore, Junior, and Senior Awards
2013	**Student Research Poster Award**, Consortium for Computing Sciences in Colleges (CCSC) Eastern Conference

Extracurricular Activity

2015 - 2016	**TCNJ Chapter President**, Association for Computing Machinery (ACM)
2014 - 2016	**President**, TCNJ Mobile Application Development Club
2014 - 2016	**Organizer**, HackTCNJ