

# Brandon Gottlob

SOFTWARE ENGINEER

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## Education

### The College of New Jersey (TCNJ)

BACHELOR OF SCIENCE IN COMPUTER SCIENCE; MINOR IN FINANCE

Cumulative GPA: 3.98

Ewing, NJ

Class of 2016

## 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 and Selenium
- Performed exploratory and acceptance testing for user facing stories and performed integration testing for back end microservices
- Communicated with product management and stakeholders to ensure acceptance criteria meets business needs

### Lehigh University - National Science Foundation Smart Spaces REU Site

Bethlehem, PA

UNDERGRADUATE RESEARCHER

Summer 2015

- Developed 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

### 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
- 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 in real time
- 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

### Association for Computing Machinery (ACM) - TCNJ Chapter

Ewing, NJ

PRESIDENT (2015 - 2016) & VICE PRESIDENT (2014 - 2015)

Fall 2014 - Spring 2016

- Organized weekly meetings, performed outreach to new students, and ran computer science departmental events
- Organized annual hackathon *HackTCNJ* and raised funds through corporate sponsorship

### 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

## Honors & Awards

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