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*
Cumulative GPA: 3.98

Skills

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

Work Experience

Lehigh University - NSF 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   *Philadelphia, PA*
INTERN, ENTERPRISE INFORMATION MANAGEMENT (EIM) DEPARTMENT   *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 data governance, profiling, and master data management in large businesses, specifically the health care industry

Projects

Portfolio Performance Simulator   *Fall 2015 - Spring 2016*
- Info goes here

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 avaialbe 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

Deferred Compensation Plan Excel Spreadsheet   *Summer 2012*
- Developed a customized Excel spreadsheet for a large service company
- Implemented macros for interest calculations, audit trails, indexing, automated formatting, and communication between sheets

Honors & Awards

2015	**Inductee**, Upsilon Pi Epsilon, International Honor Society for Computing and Information Disciplines
2015	**Inductee**, Phi Beta Kappa Honor Society, TCNJ Chapter
2015	**Inductee**, Phi Kappa Phi Honor Society
2015	**Member**, New Jersey Governor's STEM Scholars Program
2014 - 2016	**Member**, Innovative Projects in Computational Science (iPics) Scholarship Program
2012 - 2016	**TCNJ Dean's List**, Every semester since Fall 2012
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
2016	**Lead Organizer**,	HackTCNJ
2015	**Organizer**,	HackTCNJ