**Garrett Beatty**

(856)-905-6074 | garrett@gbt.codes | github.com/GarrettBeatty | linkedin.com/in/garrett-beatty

**EXPERIENCE**

**Comcast – Philadelphia, PA**

*Software Engineer**June 2019 – Present*

* Reduced deployment configuration time by 98% by migrating CI/CD from GoCD to Concourse.
* Rearchitected the logging pipeline to increase throughput and dramatically reduce data loss.
* Developed a messaging microservice in Spring Boot that allows over 31,000 technicians to quickly report app issues.

**Lockheed Martin – Moorestown, NJ**

*Software Engineering Intern**June 2018 – August 2018*

* Worked on an Agile team to support the development of the Aegis Combat System using Java and C++.
* Automated parts of the build process using Jenkins, Python, and Bash.
* Collaborated with a team of 6 interns to simulate a vehicle that can transport and fire a rocket at a target using MATLAB.

**The College of New Jersey – Ewing, NJ**

*Machine Learning Student Researcher January 2017 – December 2017*

* Designed a machine learning (ML) and natural language processing (NLP) infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
* Improved the speed of the infrastructure by 95% by adding support for parallel processing on the High Performance Cluster (HPC).

**Comcast – Philadelphia, PA**

*Software Engineering Intern June 2016 – August 2016*

* Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.
* Collaborated with another intern to create a web application in C#, HTML, and Javascript that connects to an SQL database to retrieve customer session information.

**EDUCATION**

**The College of New Jersey – Ewing, NJ** *August 2015 – May 2019*

*Bachelor of Science, Computer Science*

Advanced Courses: Natural Language Processing, High Performance Computing, Cryptography

Co-Founder/President: TCNJ Table Tennis Club

**SKILLS**

**Proficient**: Python, Java

**Tools:** Git, Concourse, Vault, ElasticSearch, Logstash, Kibana, Cloud Foundry, Docker, MongoDB, Linux/UNIX, Gradle

**Libraries/Frameworks:** Spring Boot, Scikit-Learn, Numpy, Tensorflow, Pandas, Matplotlib, Keras, OpenCV, Django, Flask

**PROJECTS**

**Android Application – “arXiv Explorer”**

Published an Android application with over 11,000 downloads that allows users to browse, search, and download scientific papers from arxiv.org.

**PUBLICATIONS**

**“The Use of Unlabeled Data versus Labeled Data for Stopping Active Learning for Text Classification”,** *Proceedings of the 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, 2019.*

**“Impact of Batch Size on Stopping Active Learning for Text Classification”,** *Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.*