Garrett Beatty

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EXPERIENCE

Comcast – Philadelphia, PA
Software Engineer   *June 2019 – Present*
- Streamlined the development and deployment process by migrating CI/CD from GoCD to Concourse.
- 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 NLP infrastructure by 95% by refactoring code to better utilize the High Performance Computing Cluster.

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, Logstash, Kibana, Cloud Foundry, MongoDB, Linux/UNIX, SLURM
Libraries/Frameworks: Spring Boot, scikit-learn, numpy, pandas, matplotlib, Keras, OpenCV, Flask

PROJECTS

Android Application – "arXiv Explorer"
Published an Android application with over 9,000 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.*