**Garrett Beatty**

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**EXPERIENCE**

**Microsoft**  *Seattle, WA*

*Software Engineer* *June 2021 – Present*

* Designed and implemented authentication methods for Azure SQL Database “[External REST Endpoints Integration](https://devblogs.microsoft.com/azure-sql/announcing-the-azure-sql-database-external-rest-endpoints-integration-early-adoption-program/)”.
* Developed “Bring Your Own Runtime” on [SQL Server 2022 Machine Learning Services](https://docs.microsoft.com/en-us/sql/machine-learning/sql-server-machine-learning-services?view=sql-server-ver16) for Linux, enabling users to configure custom R and Python runtimes.

**Comcast**  *Philadelphia, PA*

*Software Engineer 2* *June 2019 – June 2021*

* Developed backend microservices that support 30,000 technicians in the field, using Java, Spring Boot, MongoDB, MySQL, and Kafka.
* Responsible for developing and improving the team’s continuous integration process. Reduced deployment time by 95% by migrating CI/CD from GoCD to Concourse.
* Developed an iOS testing and release pipeline using Concourse, Appium, and Selenium Grid.

**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.

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

*Machine Learning Student Researcher January 2017 – December 2017*

* Designed a machine learning and natural language processing 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 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.

**TECHNICAL SKILLS**

Java, Python, C++, C#, Azure, AWS, Kafka, Grafana, Docker, Vault, Elasticsearch, Logstash, Kibana, Cloud Foundry, Concourse, GoCD, Jenkins, Artifactory, MongoDB, Spring Boot

**PROJECTS**

**Android Application – “arXiv Explorer”**

Published an Android application with over 20,000 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.*

**EDUCATION**

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

*Bachelor of Science, Computer Science*  *August 2015 – May 2019*