

# Garrett Beatty

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## EXPERIENCE

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### Microsoft

Seattle, WA

Software Engineer

June 2021 – Present

- Designed and implemented authentication methods for Azure SQL Database “External REST Endpoints Integration”.
- Developed “Bring Your Own Runtime” on SQL Server 2022 Machine Learning Services 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

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

## PROJECTS

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### 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

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### “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

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### The College of New Jersey

Ewing, NJ

Bachelor of Science, Computer Science

August 2015 – May 2019