

ALLEN GUECO

allen.gueco@gmail.com — Philadelphia, PA

EDUCATION

Villanova University
B.S. in Computer Science

May 2020
Villanova, PA

EXPERIENCE

BNY Mellon | Pershing
Senior Associate, Full Stack Engineer

June 2020 - Present
Pennington, NJ

- Developing an internal load testing tool to monitor and benchmark existing critical microservices.
- Assisting in rewriting critical components for an internal configuration management tool.
- Creating and maintaining REST-ful internal APIs and microservices using Spring Boot and its related technologies.
- Helping to create an internal tool which collect runtime information of Java-based projects using Java Agents.
- Containerizing frontend and backend applications using Docker and deploying on-prem.
- Designed responsive and mobile-friendly login screens for company products.
- Maintained CI/CD pipelines to greatly improve developer workflow.

Villanova University
Web Application Consultant

Sep 2019 - May 2020
Villanova, PA

- Developed additional features of Villanova University's official mobile app by overhauling the UX/UI.
- Assisted in creating a Microsoft Power App that unified information across different campus departments.

AmerisourceBergen Corporation
EDI Intern

June 2019 - Aug 2019
Chesterbrook, PA

- Assisted the development of an automated testing tool for the Electronic Data Interchange (EDI) team to ensure data integrity from b2b transactions.
- Designed APIs through MuleSoft to provide a REST-ful service for the tool.
- Created an Oracle PL/SQL procedure that produces and emails a report based on the result of an ad-hoc query.

SKILLS

Programming Languages	Java, Rust, Kotlin, TypeScript, Python, C#
Frameworks	Spring Boot, Angular 2+, Pandas, Matplotlib
OS	Windows, Linux (Ubuntu)
Tools & Technologies	Git, Jira, Docker, Agile, CI/CD, DevOps

PROJECTS

Apolaki, Rust

A ray tracer library implemented from scratch using Test-Driven Development (TDD) principles.
<https://github.com/allengueco/apolaki-rs>

Movie Recommender, Rust

A movie recommender system implemented using user-based collaborative filtering, a neighborhood reduction using covering-based rough sets.
<https://github.com/allengueco/recommender>