

# Emerson Grier

emersonrgrier@gmail.com | 5705073067 | Carbondale, PA 18407

## Capstone Project

Semester long collaborative software project using Git and Scrum. Developed Music Streaming service accessible through both an Android app and a JavaFX desktop app.

- Served as first Scrum master, leading early planning and architecture decisions including language selection and interface design strategy.
- Built a Restful API for use on Java backend using Gson
- Deployed and configured a Debian Linux server, installed necessary software, and set up secure SSH access with RSA authentication
- Collaborated with other developers to meet client-side or backend needs

Repository:

<https://github.com/emersongrier/MusicStreamProject>

## Experience

IT Programmer Intern

Global Tungsten & Powders, Towanda, PA

May 2024 – August 2024

- Designed and deployed a data-driven dashboard using SQL to visualize key performance indicators
- Developed an efficient label-generation tool to support manufacturing floor operations
- Contributed to diverse side projects, showcasing adaptability and a proactive approach to problem-solving

## Programming Languages

Java, Javascript, C++, C, SQL

## Skills

Backend Development, Software Architecture, Team

Leadership, Linux Administration

## Education

Bachelor of Science in Computer Science, Cum Laude

*Commonwealth University of Pennsylvania - Bloomsburg, PA*

May 17, 2025

- Relevant Coursework: Software Engineering (Capstone), C Programming with Parallelism, Computer Networks, Data structures (C++), Algorithms, Operating Systems, Advanced Java, Computer Organization, Organization of Programming Languages, Mobile Device App Development, Linear Algebra, Differential Equations

## Languages

English, Italian