TYLER MUI

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EDUCATION

Arcadia University, Glenside, PA   Aug 2021 - May 2025
B.S. Computer Science & B.S. Data Science; *GPA: 3.99*
Awards: Dean's Distinguished Honors, Provost Prize (sophomore with highest cumulative GPA for three semesters)
Relevant Coursework: Data Structures and Algorithm Analysis, Java OOP I & II, DBMS, Artificial Intelligence, Deep Learning, Data Science w/ R, Computer Org. & Architecture, Operating Systems, Kotlin Android Dev.

SKILLS

Coding: Java, Javascript, Kotlin, HTML, CSS, R, Python, SQL, Bash
Frameworks/Libraries: Jetpack Compose, Flask, AngularJS, Bootstrap, React, LaTeX
Tech/Tools: Github, jQuery, AJAX, Linux, VMs on GCP, AWS (Full-App DevOps), Cloudflare, Virtualization, Kubernetes, Containers (Docker, compose), Jira, Slack

EXPERIENCE

Comcast | Philadelphia, PA   May 2024 - Aug 2024
- *Software Engineer - Internship*
  - Collaborated with Connected Living Xfinity Mobile Activation Team to create a simplistic and streamlined way to activate cellular service in Xfinity Android app
  - Created screens, debugged unit and snapshot tests, and improved code coverage and flow for Xfinity Mobile activation process utilizing Kotlin Jetpack Compose
  - Authored, refined, and assisted in planning stories, architectures, and implementations for the project
  - Successfully applied Agile and Scrum methodologies to enhance software development and project management efficiency
  - Designed and pitched a new Subscription Service Interface capstone project to executives

Destro Machines | Remote   Sep 2022 - Dec 2022
- *Software Developer - Internship*
  - Developed full stack application consisting of React.js frontend, Postgres backend created with Entity Framework code-first approach
  - Worked in an Agile workflow environment utilizing JetBrains YouTrack for project management

Pinecrest Lake Golf & Country Club | Pocono Pines, PA   Summer 2022 & 2023
- *Pool Manager - Seasonal*
  - Delegated tasks to lifeguard staff and regulated daily pool and beach operations
  - Effectively communicated between staff, homeowners, and main office

PROJECTS

- **DPanel** - Lightweight Docker Management Platform
  - A lightweight Docker management interface where you can orchestrate containers, images, and compose files easily with a self or remotely hosted agent. Made with FastAPI, Redis, Go, and PubSub
- **Travel Planner** - Flask and Bootstrap-based dockerized application to store and update travel plans
  - Integrated the backend of the application. Made with Google Maps API, SQLite, and AJAX
- **Most Streamed Spotify Songs of 2023** - R-based data analysis of Most Streamed Spotify Songs of 2023
  - Predicting future popular songs with a linear regression model compared to a random forest model

CERTIFICATIONS

- **AWS Academy Cloud Architecting** | December 2023

ACTIVITIES

- Arcadia University Student-Athlete Advisory Committee (SAAC) (Fall 2022 - Present)
  - Middle Atlantic Conference SAAC representative for Arcadia University (Fall 2023 - Present)
- Men's Swim Team Arcadia University; ROTY 21'-22'; Captain 24'-25' (Fall 2021 - Present)