

Kenneth Myers

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EDUCATION

University of Texas at Dallas

B.S., Computer Science, GPA: 3.88

December 2024 (*Expected*)

SKILLS

Programming Languages: Python, C#, JavaScript, TypeScript, Java, PHP, MIPS Assembly, C++

Other Technologies: Angular, ASP.NET Core, Azure DevOps, Docker, Flask, Git, Linux, SQL, Visual Studio

WORK EXPERIENCE

Bell Flight (Fort Worth, TX)

Software Developer College Intern

May 2022–Present

- Designed and implemented ground-up rewrite of legacy PHP app using Angular, ASP.NET Core, and Entity Framework Core with Microsoft SQL Server
- Consolidated, pruned, and restructured app's database; reduced table count from 150 to 15
- Individually responsible for completion of over 50% of total project tickets and story points (38 of 70 over 8 weeks) in development of internal engineering app among team of senior developers
- Containerized internal engineering app's Angular frontend and ASP.NET Core backend services with Docker/Docker Compose; configured development environments for containerized debugging
- Led and mentored two high school developer interns; delegated tasks and provided technical guidance
- Authored reference documentation to streamline onboarding and provide solutions to common development challenges
- Coordinated with users for requirements and testing feedback

Bell Flight (Fort Worth, TX)

Software Developer High School Intern

September 2021–May 2022

- Migrated legacy web app data from MySQL 5.1 to Microsoft SQL Server 2019 and refactored over 20,000 lines of PHP for compatibility
- Developed custom Python scripts to reduce refactoring workload by automatically replacing driver method calls in codebase and updating parameters
- Containerized PHP app with Docker

PROJECTS

GPT Assistant

April 2023

An enhanced GPT-based assistant with multiple interfaces and self-improving capabilities

- Written in Python
- Viewable at <https://kenmyers.io/posts/gpt-assistant>

contrapunct.io

October 2021

Web app that programmatically composes counter melodies with species counterpoint

- Built on a RESTful API made with Python/Flask
- Viewable at <https://contrapunct.io>

MelodyFarm

December 2020

Web app that uses an evolutionary algorithm to generate music with user votes as a fitness test

- Built on a RESTful API made with Python/Flask and a PostgreSQL database
- Viewable at <https://kenmyers.io/melodyfarm>

Starmap

September 2020

Tool based on self organized maps that creates distanced-optimized 2D projections of 3D star-space

- Written in Python
- Viewable at <https://kenmyers.io/posts/starmaps>

Psonic

March 2020

Secure password generator/manager notable for its proprietary mnemonic generation algorithm

- Written in JavaScript with Electron
- Viewable at <https://github.com/ken-myers/hackmhs>

References available upon request.