

Joshua Dunkley

joshua.dunkley98@gmail.com • <https://www.linkedin.com/in/joshua-dunkley> • <https://github.com/joshdunk98>

Personal Summary

Software developer with entry-level experience in full-stack development in an Agile environment. Adept at finding opportunities to enhance developer productivity and to optimize application performance.

Education

MIDDLE TENNESSEE STATE UNIVERSITY

Murfreesboro, TN

M.S., Computer Science. 4.00

May 2022

Relevant Coursework: Software Engineering, Intro to AI, Deep Learning, Analysis of Algorithms, Database Management Systems, Database Security, Data Mining, Cloud Computing Data Analysis, Data Understanding

UNIVERSITY OF TENNESSEE, KNOXVILLE

Knoxville, TN

B.S., Computer Science. 3.94

May 2020

Relevant Coursework: Software Engineering, Systems Programming, Programming Languages & Systems, Intro to Machine Learning, Databases & Scripting Languages, Matrix Algebra

Experience

ANTAGE, INC.

Brentwood, TN

Full-Stack Developer

May 2022 – Present

- Automated code delivery using the CI/CD pipeline in Gitlab and wrote Python scripts to automate local deployments regardless of current working OS.
- Worked in a test-driven environment that develops E2E tests and unit tests using Cypress and Jasmine.
- Built scalable RESTful API solutions using AWS CDK and GraphQL to handle multiple concurrent requests.
- Lead and mentored a team of students at Middle Tennessee State University to aid in their Capstone course to gain real-world exposure to the software industry.

MIDDLE TENNESSEE STATE UNIVERSITY

Murfreesboro, TN

Graduate Teaching Assistant

Jan 2021 – May 2022

- Supervised computer science lab and tutored students in basic CS concepts, such as data structures and algorithms.
- Assisted professor in Systems Programming course through grading of student projects and re-teaching of systems concepts taught in class.

Projects

ASSET MANAGEMENT SYSTEM

Created an Angular application in the cloud that maintained a record of company assets. Designed the database schema in MySQL, created AWS lambda functions using AWS CDK, and created a REST API framework to obtain the data and deliver it to the front-end.

PATH PLANNING VISUALIZATION

Created an application using PyGame that allows users to visualize two path planning algorithms: A* and wavefront. Implemented an interactive environment that allows users to add obstacles to a world grid to visualize how path planning works under various constraints.

Skills & Interests

Skills: Python, HTML/CSS, JavaScript, Typescript (Angular), SQL (MySQL, MSSQL), C/C++, AWS, Git

Soft Skills: Proactive communicator, fast and adaptable learner, teamwork, problem solver, critical thinker

Interests: Puzzles, Reading, Board/Card games, Cooking, Hiking, Machine/Deep Learning, Cyber Security