

**Joshua Dunkley**

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**SUMMARY**

Second-year graduate student with a passion for learning and developing skills in machine learning. Currently studying various technologies to gain experience in data analyzation and visualization through various data science projects.

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**COMPUTER SKILLS****Languages**

- Proficient: Python
- Experience: Java, HTML/CSS, JavaScript, PHP, SQL

**Software**

- Database: Microsoft SQL Server

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**EXPERIENCE****Graduate Teaching Assistant**

Jan 2021 – Present

*University of Tennessee*

- Aids professor in Systems Programming course through grading of student projects and re-teaching of systems concepts taught in class

**Undergraduate Research Assistant**

May 2019 – Aug 2019

*University of Tennessee*

- Implemented a GUI using Qt and Python to visualize and process real-time time-series data with application to brain-computer interfaces

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**PROJECTS****Portfolio Website**

- Developed a front-end portfolio website using HTML/CSS and JavaScript. I plan to transition the website to using Angular or React.

**Path Planning Visualization**

- Implemented an application using PyGame that allows users to create a world grid and visualize how path-planning algorithms, such as A\* and wave front, work

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**EDUCATION****B.S. Computer Science (3.94 GPA)**

Aug 2016 – May 2020

*University of Tennessee - Knoxville, TN*

**M.S. Computer Science (4.0 GPA)**

Aug 2020 – May 2022

*Middle Tennessee State University - Murfreesboro, TN*