

Joseph Hughes

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[LinkedIn](#)

[GitHub](#)

[Portfolio Website](#)

Relevant Experience

App Developer

QuantumGrad

- Utilized Figma to create a design for every page of the app
- Worked collaboratively with mobile and web developers
- Constructed front-end UI using **Dart/Flutter** such as account and article pages

Remote

June 2021 - June 2022

Personal Projects

Automated Twitter Account

Creator

- Utilized the **Twitter API** and **Python** to create an automated twitter account.
- Account imitates the Michigan State Univ. Spartan Statue
- Tweets the weather daily and wishes good luck to all sports teams
- Can be found at [@SpartyStatue](#)

Skills At a Glance:

Python

Twitter API

Weather API

Spotify Location-Based Recommendations

Co-creator

- Allows users to upload music tied to a location
- Recommends users songs/playlists uploaded near them
- Designed a database structure that decreased time complexity by 87.5%
- Implemented **SQLite** database calls based on user location data
- GitHub link [here](#)

Skills At A Glance:

SQLite

Python

AI Snake

Creator

- Created an AI to play snake using **Python** and **PyTorch**
- Used QLearning for a high score of 94 with 2000 trials
- Github link [here](#)

Skills At A Glance:

Python

PyTorch

Education

Michigan State University

Bachelor of Science in Computer Science

East Lansing

August 2022 - May 2025

- GPA: 4.0
- Relevant Coursework: Discrete Structures(4.0)

Technical Skills:

Python(2yrs), C++(1yr), Dart(1yr), Flutter(1yr), SQLite, Javascript(1yr), Android Studio, Java(1yr), Git, Blender

Leadership Experience

Business Professionals of America(CTSO)

President

Gibraltar, MI

Oct. 2019 - June 2022

- Increased membership by 200% over the course of my presidency
- Led peer students, hosted meetings, and managed
- Created a website that gave students access to practice for competitions