TYLER SUPERSAD

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EDUCATION

MSc Advanced Software Engineering | King's College London | September 2023 – Present
- *Degree Classification:* In-progress

BSc Computer Science | University of Roehampton London | September 2020 - September 2023
- *Degree Classification:* First-Class Honors

EXPERIENCE

Data Science Lab Assistant | University of Roehampton London | January 2023 - May 2023
- Achieved significant improvements in undergraduate students' performance in lab assignments and overall comprehension of data science concepts through proactive measures and effective teaching strategies.

Databases Lab Assistant | University of Roehampton London | September 2022 - January 2023
- Provided active assistance to postgraduate students, addressing their queries and predicaments during Databases course lab activities.
- Offered guidance and support to empower students in developing a deep understanding of database concepts.

PROJECTS

Deepfake Detection Web Application – Python, Flask, JavaScript, HTML/CSS
- Implemented a web application interface that allowed users to upload videos and images for deepfake detection classification.
- Conducted extensive preprocessing of a diverse and representative dataset to ensure robust model training.
- Achieved 93.3% accuracy in deepfake classification by training an EfficientNet-B0 deep learning model.

Sentiment Analysis Pipeline for Star Wars YouTube Trailer Comments – Python
- Constructed a pipeline to extract, preprocess, classify the severity, and store text data derived from comments found in Star Wars YouTube trailers.
- Analyzed sentiment and severity of the comments to generate valuable insights and new data.
- Collaborated with a team of three members to ensure efficient workflow and successful project completion.

Population Demographics CRUD Application – JavaScript, Pug, HTML/CSS
- Designed and developed a user-friendly CRUD application with a web front-end using PUG templating, enabling easy access to population information through an SQL database.
- Developed a web back-end on Node.js, leveraging Express.js for seamless front-end to back-end communication.
- Ensured the application's deployability as a Docker container.

SKILLS

Programming Languages: Python, C, C++, F#, JavaScript, HTML/CSS, Pug, SQL

Frameworks/Libraries: Flask, Bootstrap, Docker

Tools: Git, Visual Studio Code, Excel, Word