JASON OLEFSON

Tampa, FL | 954-260-8593 | jasonolefson@gmail.com

www.linkedin.com/in/jason-olefson/ | gitlab.com/jasonolefson | https://github.com/olefson | jasonolefson.com

APPLICATION DEVELOPMENT EXPERIENCE

Neonatal Pain Detection, Deep Learning Model for NICU Data Analysis |
https://github.com/olefson/neonatal-pain-detection
Research project using deep learning to predict pain levels in infants based on medical data from the NICU, collected over five years by USF's medical lab.
- Built and trained a deep neural net model using LSTM and GRU architectures, achieving strong validation.
- Preprocessed time-series NICU data, applying techniques like batch normalization and regularization to improve model performance.
- Integrated Keras, TensorFlow, and Scikit-Learn for data handling, model training, and evaluation.
- Demonstrated the potential of AI to assist in neonatal pain assessment, supporting healthcare providers with critical insights.

Pet-Centered Social Media, Paw-Wow |https://gitlab.com/jasonolefson/paw-wow-complete |
Social media web application for pet owners to meet and interact with other pet owners
- Functional **React, JSX, and use of WebSockets** to provide a dynamic and interactive front-end experience
- Back-End built with **Python3, FastAPI,** and **PostgreSQL** for the database

Restaurant Decider ,PlateMate |https://gitlab.com/team-4-hack-n-snack/platemate|
A web application to help decide where to eat when there is a disagreement, or just for fun.
- Functional **React, JSX, and Redux** to provide a dynamic and interactive front-end experience
- Back-End built with **Python3, FastAPI,** and **PostgreSQL**
- **Yelp Fusion API** integration to get relevant data on nearby restaurants as well as prices.

PROFESSIONAL EXPERIENCE

Web Developer
Olefson Web Designs   2/2022 – Present
- Launched and managed websites with Amazon Web Services utilizing S3, Route 53
- Independently performed code maintenance, ensured traffic remained stable
- Implemented SEO strategies to ensure that pages show up on various search engines

WordPress Developer
OER4CTE, Remote, CA   2/2021 – 06/2022
- Ensured the OER4CTE website was ADA compliant
- Worked collaboratively with copywriters and curriculum developers to evaluate and interpret new content.

Skills & Interests

Programming: Python 3, JavaScript ES6+, HTML5, SQL, CSS, C, C#
System Design: Microservices, Monoliths, Domain-driven design, Message passing, Event Sourcing, MongoDB
Back-End: Django 4, RabbitMQ, PostgreSQL, MongoDB, WordPress
Front-End: DOM Manipulation, WebSockets, React, Bootstrap, WordPress
Dev Tools: Docker, Git, NPM, Insomnia, Postman, Heroku, AWS, CI/CD, Unit Testing
Other Skills: Data Analysis, Pytorch, TensorFlow, Keras, Machine Learning, NLP

EDUCATION

University of South Florida, Tampa, FL
Graduate Certificate, Artificial Intelligence   8/2024 - Present
Graduate Certificate, Computer Science   8/2023 - 5/2024

Certifications:
Advanced Software Engineering, Hack Reactor   7/2022 – 2/2023
JavaScript: Advanced Concepts, Zero to Mastery   5/2022
Rollins College, Winter Park, FL   8/2015 – 5/2020
Bachelor of Arts: Business Management and Social Entrepreneurship