ZACHERY SHORES-CHMIELEWSKI

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github.com/zachanon

Education

Missouri Western State University, MO - *Bachelors in Computer Science*

August 2020 - June 2022 (Expected)

Projects

Tensorflow-eager DARTS and Capsule Routing

- Implemented Deep Learning algorithms from public research papers in a novel combination. First public implementation of the DARTS algorithm in Tensorflow.

  Keypoints: Tensorflow-eager, keras, Neural Architecture Search (NAS), Convolutional Neural Networks (CNN), Computer Vision (CV)

  github.com/zachanon/DARTS-Capsulenet-tensorflow-eager

Javafx GUI Fractal and Automata Rendering

- Utilized javafx library to create a small library to display fractal rendering and the 256 possible one-dimensional automata rulesets.

  Keypoints: Java, object-oriented programming, GUI, javafx

  github.com/zachanon/FractalGUI

Ethereum WarpGate

- Competed in a hackathon for utilization of Ethereum blockchain L2 scaling. Smart contract system for trusted ecosystem message passing.

  Keypoints: Solidity, python, smart contracts, blockchain, network protocols

  github.com/zachanon/warp-contracts-et

Primary Skills

- **Languages**: Python, C++, Java
- **Libraries**: Tensorflow, Pytorch, Numpy, Scikit-learn, Matplotlib, Jupyter
- **Frameworks**: Linux, Ubuntu, Anaconda, Docker
- **Concepts:** Object-oriented programming, Machine learning, Deep learning, Data Processing