Nathan Rhys

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GitHub: github.com/3lackrukh

Professional Summary

Machine Learning Engineer and Software Developer with extensive leadership experience Background in nonprofit management, teaching, and mentorship combined with technical expertise in ML model implementation and systems programming

Education

Atlas School | Tulsa, OK   **Expected August 2025**

Diploma in Computer Science and Machine Learning

- ⚕ 20 month program with a focus on machine learning and foundational programming
- ⚕ Hands-on experience coding, problem solving and building machine learning models through real-world projects

Sunset International Bible Institute | Lubbock, TX   **Graduated December 2014**

Bachelor of Biblical Studies

- ⚕ 3-year program focused on theological studies, teaching methodologies, and cross-cultural communication
- ⚕ Led multiple community outreach initiatives
- ⚕ Developed curriculum for adult education programs

Projects

Computer-Vision Classification Models | ML Engineer   **September 2024**

github.com/3lackrukh/atlas-machine_learning

- ⚕ Implemented various classification algorithms for Deep Neural Networks
- ⚕ Engineered feature extraction and preprocessing pipelines optimizing model performance
- ⚕ Achieved significant accuracy improvements through hyperparameter tuning

AirBnB Clone API | Lead Developer   **July 2024**

github.com/3lackrukh/atlas-AirBnB_clone_v3

- ⚕ Engineered RESTful API endpoints using Python Flask framework
- ⚕ Implemented CRUD operations for resource handling
- ⚕ Developed comprehensive unit tests for API validation

Custom Unix Shell | Lead Developer   **April 2024**

github.com/3lackrukh/atlas-simple_shell

- ⚕ Built fully functional Unix shell in C
- ⚕ Implemented core functionality, process execution and pipeline handling
- ⚕ Engineered command parsing and tokenization system for complex user inputs
- ⚕ Implemented environment variable management and built-in command features
- ⚕ Developed robust error handling and memory management system

Experience

North American Senior Benefits | Nashville, TN / Birmingham, AL   **May 2022 - May 2023**
Licensed Broker

UBER | Nashville, TN / Tulsa, OK   **March 2020 - December 2023**
Rideshare Driver

U.S. Census Bureau | Nashville / Memphis, TN   **May 2020 - November 2020**
Enumerator

Guelph Church of Christ | Ontario, Canada   **January 2015 - March 2019**
Minister & Non-Profit Leader

Skills

Languages : Python, Javascript, C, HTML, CSS, Shell Scripting
Development : REST APIs, Unit Testing, Git Version Control, Docker Deployment
Tools : Flask, SQL, NumPy, TensorFlow, Keras