Linus Fackler

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EDUCATION

The University of Texas at Dallas — Richardson, TX
Bachelor of Science in Computer Science, GPA: 3.78 — *Aug. 2021 – May 2023*

EXPERIENCE

Network and Connectivity Architect - Contract — May 2022 – Present
Infosys — *Stuttgart, Germany*
- Manage Mercedes Benz' personnel department's database system (Oracle) & IT infrastructure
- Design and implement network solutions & handle incidents regarding database failures using ServiceNow
- Analyze security vulnerabilities

Machine Learning Researcher — Sep. 2022 – May 2023
The University of Texas at Dallas — *Richardson, TX*
- Implemented object detection modeling with thermal imaging using computer vision models
- Develop techniques and models to help self-driving and intelligent cars identify objects on streets
- Explaining the predictions of any classifier / expanding on classifier-explaining models, such as LIME

Software/Machine Learning Engineer — Aug. 2020 – Present
Fackler IT — *Stuttgart, Germany*
- Develop applications for small businesses to optimize workflow using artificial intelligence/ML models
- Implement Cloud Solutions using Microsoft Azure and AWS for customers

Co-Founder & COO — Aug. 2021 – Present
Streetside Imports — *Stuttgart, Germany*
- Import US classic cars to Germany, handle business operations

PROJECTS

Lura | *Swift, Python, Node.js, Firebase, AWS* | TAMUHack 2023 ⧉ — Jan. 2023
- Developed a full-stack iOS app that allows users to self-diagnose for COVID-19 using AI/ML
- Used CNNs for image classification to detect if users have covid based on their cough

Studia | *Swift, Python, Node.js, Firebase, GCP, GPT-4* ⧉ — May 2023 – Present
- Developing a full-stack iOS app allowing students to simplify class workloads using AI/ML
- Summarizing texts, creating practice exams, and more using the GPT-4 API

CometSquare | *C#, Python, MongoDB, Unity, PyTorch, BERT* | HackUTD IX ⧉ — Nov. 2022
- Developed a full-stack app that gives users the chance to find clubs on campus easier
- Integrated a machine-learning-based search algorithm using BERT to find text relations

Searching for Similarity | *R, Machine Learning* | Intro to Machine Learning (UTD) ⧉ — Sep. 2022 – Oct. 2022
- Developed in a team of 4 a program to compare different Machine Learning Algorithms
- Regression, Classification, Clustering, & Dimensionality (data science)

Chatbot Project | *Python, Machine Learning, NLP* | HLT/NLP (UTD) ⧉ — Mar. 2023 – May 2023
- Developed a chatbot that can answer questions about bands/artists using web scraping techniques
- Used Python & NLP/data science techniques to store data about the user for later conversations

Kill Switch | *C#, Unity, OOP* | SGDA Fall 2021 Game Jam ⧉ — Sep. 2021 – Oct. 2021
- Developed a local multiplayer game in a 2D environment in under 1 week using C# & OOP principles

TECHNICAL SKILLS

Languages: Python, C++, Java, R, C#, Swift, Ruby, Go, C, JavaScript, CSS, HTML, TypeScript
Frameworks: React, Node.js, Angular, Flask, Ruby on Rails, .NET, FastAPI
Developer Tools: Git, Docker, AWS, Azure, Google Cloud Platform, PyCharm, XCode, Eclipse
Libraries: pandas, NumPy, TensorFlow, OpenCV, scikit-learn, PyTorch, Matplotlib