




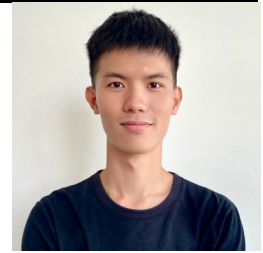


Chien Liu

Software Engineer

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Experience

Master Thesis, IBM, Ehningen Oct 2022 - May 2023

PyTorch / Kubernetes / Prometheus / PostgreSQL

- Initialized data-driven alert system for PostgreSQL, achieving 95% accuracy on unexpected-event identification
- Conducted exploratory data analysis to identify relevant metrics for proactive monitoring, reducing 85% of demanded metrics

Student Researcher, Universität Rostock, Rostock May 2022 - Oct 2022

Python / Scikit-learn / Pandas

- Reduce error rate of fuel consumption prediction of 60%
- Created interactive data visualizations to analyze data distributions

Data Scientist Intern, Teraki, Berlin April 2021 - Sep 2021

PyTorch / NumPy / OpenCV / Cython

- Accelerated data preprocessing code by 10x, optimizing data pipelines
- Reduced error rate by 50% through optimization of deep learning object detection models
- Developed an end-to-end neural network for radar object detection

Research Assistant, National Tsing-Hua University, Taiwan Oct 2018 - June 2020

Tensorflow / NumPy / OpenCV / C / ROS

- Developed a state-of-the-art neural network model for KITTI benchmark, resulting in a publication at CVPR 2020.
- Optimized distributed training process utilizing Google Cloud Platform

Education

M.Sc Computational Science and Engineering, Universität Rostock

Oct 2020 - June 2023, Germany

Built an interactive [website](#) to help students learn German

B.Sc Power Mechanical Engineering, National Tsing-Hua University

Sep 2014 - July 2018, Taiwan

Developed AI agriculture machine which won the seminar project competition

Publications

CVPR 2020, [Dynamic Attention-based Visual Odometry](#)

ICML 2020, [Toward Synergism in Macro Action Ensembles](#)

NVIDIA - [AI at the Edge Challenge](#), 2nd Place