Yuanluo Wu

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- https://lakr.cc

Skills

Python
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JAVA
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LINUX
■■■■■
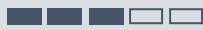
Docker
■■■■■

Shell
■■■■□
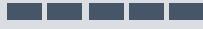
Javascript, HTML, CSS
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Pytorch, Tensorflow
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Machine Learning
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Transformer
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neural network
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hyperparameter tunning
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Bachelor's student in Informatik at LMU München, specializing in neural network regression with a strong foundation in Mathematics. My hands-on experience in data analysis, computer vision, and Java software development fuels my passion for bridging academic research with practical innovation, and I am dedicated to expanding my technical expertise and contributing to innovative, interdisciplinary projects that make a real-world impact.

Experience

McDermott Will & Emery Rechtanwälte Steuerberater LLP   February 2020 - March 2020
                Munich
Data Analysis Internship
🔗 https://www.mwe.com/de/

- Applied **statistical methodologies** to assess data trends and support decision-making processes.
- Developed expertise in **data visualization**, transforming intricate datasets into comprehensible charts and graphical representations.

LMU Munich's Computer Vision & Learning Group October 2024 - April 2025
Practical Course

- **Deep Learning Frameworks**: Gained hands-on experience with leading deep learning libraries, such as TensorFlow or PyTorch, enabling the development and training of complex neural network architectures.
- **Computer Vision Techniques**: Developed proficiency in image and video analysis, including object detection, segmentation, and recognition tasks.
- **RESULT:** Delivered final models achieving 72 % accuracy on FER2013 and ~70 % on AffectNet

LMU Software and Computational Systems Lab   Summer Semester 2024
Softwareentwicklungspraktikum Java

- **Version Control and Build Automation**: Proficient in using Git for version control and Gradle for build automation, ensuring efficient project management.
- **Object-Oriented Design and Design Patterns**: Applied object-oriented principles and design patterns to develop scalable and maintainable software solutions.
- **Testing and Debugging**: Implemented unit tests using JUnit and utilized debugging tools to ensure code reliability and quality.

Education

Ernst-Reisinger-Schule Schondorf staatl. anerk. Gynasium   Sep 2019 - Jul 2022
                Allgemeine Hochschulreife(Abitur)
2.5
🔗 https://www.landheim-ammersee.de/

Technische Universität München   October 2022 – October 2023
Elektrotechnik und Informationstechnik   Bachelor of Science

LUDWIG-MAXIMILIANS UNIVERSITÄT MÜNCHEN   October 2022 - Present
Informatik plus Mathematik   Bachelor of Science

Projects

Facial Expression Recognition using Deep Learning   October 2023 - April 2025
🔗 https://github.com/ndrohrich/CVDL_Practical

Group Project of the Winter 2024 Computer Vision and Deep Learning Practical at Ommer Lab. Group
We developed a system to classify human facial expressions by training various deep learning models. Our approach utilized multiple architectures, including Convolutional Neural Networks (CNNs), Vision Transformers (ViTs), and hybrid models combining CNNs and ViTs.