

Yiyi Niu

[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

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ABOUT ME

A dedicated and aspiring Computer Science Student, currently pursuing my Bachelor at Ludwig-Maximilians-Universität München. I'm eager to apply my programming skills and passion for technology in a dynamic and collaborative environment, and I have hands-on experience in web development and deep learning model training. I'm seeking an internship opportunity that aligns with my interests and goals.

EDUCATION

Ludwig-Maximilians-Universität München

Bachelor of Science in Computer Science and Statistics

Munich, Germany

April 2022 - now

University of Bayreuth

Bachelor of Science in Computer Science

Bayreuth, Germany

April 2021 - March 2022

TECHNICAL STRENGTHS

Languages : Java, Python, Haskell, Cpp, JavaScript
Frameworks : Node.js, React, Pytorch, Vue
Databases : MySQL
Technologies : CSS, HTML5, Latex, MVC, Azure, Shell Script
Dev Tools : GitHub, Jupyter Notebook, Docker, Emacs

RELEVANT COURSEWORK

Informatik : Algorithms&Data Structures/Operating Systems/Database Systems/Computer Networks/Software Engineering/Computer Architecture/Machine Learning/ Introduction to Deep Learning
Statistik : Stat1&2/Linear Models/Time Series Analysis

PROJECTS&ESSAYS

Robo Rally

Java, JavaFX, CSS, Git

[Source Code](#)

- Designed and developed the login window and gameboard UI using JavaFX
- Utilized the responsive functionality of whole cards and card shop using Java& JavaFX
- collaborated with the Backend team to refactor the project architecture and implement card-specific functionalities. Implemented this strategy game using MVVM

Particle Swarm Optimization

LaTeX, Python

- Researched and composed an extensive overview of the Particle Swarm Optimization(PSO) algorithm
- Demonstrated practical proficiency by implementing the PSO algorithm and understanding of optimization problems

Introduction to Deep Learning

Python, Pytorch

[Github Repository](#)

- Created deep learning models from scratch, showcasing a solid understanding of neural network architectures
- Utilized problem-solving skills to address challenges during model development and fine-tuning
- Successfully designed and implemented an advanced U-Net model, demonstrating proficiency in complex convolutional neural network (CNN) architectures and related applications

LANGUAGES

- English(C1)/ German(B2)/ Chinese(C2)

CERTIFICATIONS

- [Microsoft Certified: Azure AI Fundamentals](#)