

Hengjia Yu

Email: hengjia2@illinois.edu | Phone: +1(217)904-2435

Address: 1010 W University Ave, Urbana, IL | Personal Page

EDUCATION

University of Illinois Urbana-Champaign

Undergraduate - Computer Engineering

Sep. 2021 - Present

GPA: 3.83/4.00

Zhejiang University

Undergraduate - Electronic and Computer Engineering

Sep. 2021 - Present

GPA: 3.90/4.00

RESEARCH INTERESTS

System for ML, Distributed System, Computer Architecture

ACADEMIC EXPERIENCE

UIUC ADAPT Group: Distributed System for Temporal Graph Learning

UIUC

Undergraduate Researcher supervised by: Prof. Charith Mendis

Dec 2023 - Present

- Participated in development and release of TGLite – a new model de-duplicating and accelerating temporal graph learning.
- Researching on Distributed Systems for TGL focusing on mini-batches and node memories.

Neonatal Seizure Diagnosis Based on EEG Data

Zhejiang University

Advisor: Prof. Qinmin Yang and Chao Li

Summer 2022

- Participated in research on neural network models on improvement of performance.
- Used STFT, PSD, CNN... Achieved accuracy of 95%

PROJECTS

Operating System Design - ECE391: Operating System

UIUC

Advisor: Prof. Steven Lumetta and Zbigniew T. Kalbarczyk

Oct. 2023 - Dec. 2023

- Developed a Linux-like operating system from scratch with a team (group leader).
- Implemented basic OS functionalities and advanced features like round-robin scheduler, signals, writable file-system, and text-editor.

TEACHING EXPERIENCES

Course Assistant - ECE391: Operating Systems

UIUC

2023 - 2024 Spring Semester

AWARDS

Provincial Government Scholarship of Zhejiang Province

2022

Top 3% students in Zhejiang province

Outstanding Student of Zhejiang University

2022

Top 8% students in Zhejiang University

Dean's List

2022 & 2023

Top 10% students in Grainger College of Engineering, UIUC

SKILLS

- **Programming:** Python, C, C++, Matlab, x86 assembly
- **Languages:** English (professional), Mandarin (native)
- **Others:** Git, Pytorch, LaTeX, Sphinx, Markdown, Colab

OTHER EXPERIENCES

Director of Student New Media Center
2022 - 2023 Academic Year

International Campus, ZJU

Campus Men's Volleyball Team Leader
2022 - 2023 Academic Year

International Campus, ZJU

Vice Director of Brand Promotion Center
2021 - 2022 Spring

ZJU-UIUC Joint Institute