

Xinyu Wang

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EDUCATION

Virginia Tech

Ph.D. in Computer Science

Advisor: Dr. Debswapna Bhattacharya

Reserch Area: Computational biology, AI for Molecular modeling

VA, United States

Sep 2024 - Now

University of Electronic Science and Technology of China

Bachelor of Science in Software Engineering

Overall GPA: 3.60/4.00

2021 &2022 &2023 Outstanding Student Scholarship of UESTC

2024 Outstanding Graduate Student Scholarship of UESTC

Chengdu, Sichuan, China

Sep 2020 - June 2024

RESEARCH EXPERIENCE

Purdue University

Visiting undergraduate in Kihara Lab

June 2023 - August 2023

Remote - West Lafayette, USA

- Participated in the caculation of protein interface contacts based on sequence co-evolution and conservation involving residues
- Applied Contrastive learning on feature-learning of 6 targets in ZIPPI scores (an evaluation of protein-protein interaction models)

Fudan University

Research Intern

September 2023 - December 2023

Remote - Shanghai, China

- Conducted a comprehensive comparison of different computational predictors for AMPs(antimicrobial peptides) and their activities
- Assessed the practical effectiveness of these models in addressing real-world challenges, such as bacterial infections

PROJECTS

Massachusetts Institute of Technology

2023 Winter CV Camp

[Source Code](#)

- Builded a CNN with Adam optimizers for image classification on the MNIST dataset,ended up with high accuracy
- Designed a fully transformer-based model to perform video understanding and classification
- Participated in the comparison work of CNN architectures(from LeNet to GoogLeNet)

NanJing University

2021 Summer NLP Camp Best Project Award

[Source Code](#)

- Carried out CNN, LSTM, lan, Bert, tombert,Transformers and other deep learning models
- Applied those models to my own datasets based on TensorFlow2.0 and contrasted the behavior to that in the original papers

LEADERSHIP

- President of Propaganda Department in [AI TIME](#)
- President of Tennis Club, Shahe Campus, University of Electronic Science and Technology of China

TECHNICAL SKILLS

Languages : C, Python, Pytorch, TensorFlow , R, Java, Assembly Language (8086)

Databases : MySQL, PostgreSQL, Microsoft SQL

Tools : Git, Docker, Powerdesigner, Latex