# Wenwei Ban

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 banwwup

## EDUCATION

•**University of Chinese Academy of Sciences** *Sep. 2020 - Jul. 2024*
*B.E. in Computer Science* Beijing, China

– major courses:
Data structure, computer composition principle, computer network, operating system, machine learning, compilation principle, human-computer interaction, introduction to network and information security, assembly language, parallel program design

## RESEARCH EXPERIENCE

•**Institute of Computing Technology, Chinese Academy of Sciences** *Jan. 2024 - May. 2024*
*Student Intern, advised by Prof. Dongbo Bu* Beijing, China

– Research Direction : Prediction of Three-Dimensional Structure; database
  * Construct a mutant protein database by screening specific chains and propose a structural prediction algorithm specifically for proteins with single-site mutations.
  * Overcome the limitations of AlphaFold2 in predicting mutant conformations, significantly improving prediction accuracy.

## PROJECTS

•**Design of a Functional CPU Processor** *Sep. 2023 - Dec. 2023*
*University of Chinese Academy of Sciences*  Github

•**Computer Network System Design** *Oct. 2022 - Dec. 2022*
*University of Chinese Academy of Sciences*  Github

•**Design of an AI for Gomoku** *Apr. 2021 - Jun. 2021*
*University of Chinese Academy of Sciences*  Github

## TECHNICAL SKILLS

- **Tools**: Linux, Git
- **Programming**: Python, C/C++, Verilog, PyTorch
- **English**: IELTS 7, CET6 525

## POSITIONS OF RESPONSIBILITY

•**President**, Dance Club, University of Chinese Academy of Sciences *2021, 2022*