

Chenxu Bai

Undergraduate | [School of EECS](#) | [Peking University](#)
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Education

Peking University, Computer Science

Sep 2023 - Present

• **GPA:** 3.614/4.0

• **Coursework:** Fundamentals of AI, Software Design, Computational Photography(Grade: 100),
Programming in AI(Grade: 100)

Experiences

Prof. Mohan Chen Research Group

Research Intern

Nov 2023 – Nov 2024

AISI(AI for Science Institute, Beijing)

Intern

Aug 2024 – Nov 2024

Supervisor: **Prof. Mohan Chen**

Beijing

• My work focuses on **scientific computing**, mainly for ABACUS (Atomic-orbital Based Ab-initio Computation at UStc), which is an **open-source** package (GitHub Repo: [abacus-develop](#), Star:189) based on density functional theory (DFT), aiming for large-scale electronic-structure simulations from first principles.

• My contributions include:

• Binding certain modules of ABACUS to Python (**Pythonization** of ABACUS)

• **Maintaining** and **refactoring** parts of the source code of ABACUS

Camera Intelligence Lab, IDM/NERCVT

Research Intern

Nov 2024 – Present

Supervisor: **Prof. Boxin Shi**

Beijing

Skills

English: CET-4, CET-6

Programming Language: C/C++, Python, MATLAB, Rust(learning...)