

# Chenxu Bai

Undergraduate | [College of Engineering](#) | [Peking University](#)  
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## Education

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**Peking University**, Robotic Engineering

**Sep 2023 - Present**

- **GPA:** 3.558/4.0
- **Coursework:** Fundamentals of AI, Software Design, Computational Photography

## Experiences

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**Prof. Mohan Chen** Research Group

Research Intern

**Nov 2023 – Nov 2024**

**AISI**(AI for Science Institute, Beijing)

Intern

**Aug 2024 – Nov 2024**

- 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:171) 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

## Technologies

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**English:** CET-4, CET-6

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