

Chenxu Bai

Undergraduate | [School of EECS](#) | [Peking University](#)
chenxu.bai@stu.pku.edu.cn

EDUCATION

Peking University, Robotics Engineering **2023.09 – 2025.09**
Peking University, Computer Science and Technology **2025.09 – Present**

- **GPA:** 3.642 / 4.0
- **Coursework:** Fundamentals of AI, Software Design, Computational Photography (Grade: **100**), Data Structure and Algorithm (Grade: **100**), Programming in AI (Grade: **100**)

EXPERIENCES

[Prof. Mohan Chen](#) Research Group [Undergraduate Research Project](#) **2023.11 – 2024.11**
[AISi](#) (AI for Science Institute, Beijing) Internship **2024.08 – 2024.11**
Supervisor: [Prof. Mohan Chen](#) **Beijing**

- My work focuses on **scientific computing**, mainly for [ABACUS](#) (Atomic-orbital Based Ab-initio Computation at USTC), an **open-source** density functional theory (DFT) package (Github Starred: 228) for large-scale electronic-structure simulations from first principles.
- My contributions include:
 - Binding selected modules of ABACUS to Python (“**Pythonization** of ABACUS”).
 - **Maintaining** and **refactoring** parts of the ABACUS source code.

[Camera Intelligence Lab](#), IDM/NERCVT Research Internship **2024.11 – Present**
Supervisor: [Prof. Boxin Shi](#) **Beijing**

- My current research interests lie at the intersection of **computer vision** and **computational photography**, with a particular emphasis on neuromorphic camera imaging.

HONORS & AWARDS

- Merit Student, Peking University (2025)
- Knovva Scholarship, Knovva Academy (China) Inc. & Peking University (2025)

SKILLS

- **English:** CET-4, CET-6
- **Programming Language:** C/C++, Python, MATLAB, Rust (learning...)