

Chenxu Bai

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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 AISI (AI for Science Institute, Beijing) Supervisor: Prof. Mohan Chen	Undergraduate Research Project Internship	2023.11 – 2024.11 2024.08 – 2024.11 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: <ul style="list-style-type: none">– Binding selected modules of ABACUS to Python (“Pythonization of ABACUS”).– Maintaining and refactoring parts of the ABACUS source code.		
Camera Intelligence Lab, IDM/NERCVT Supervisor: Prof. Boxin Shi	Research Internship	2024.11 – Present 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...)