

Chenxu Bai

Undergraduate | School of EECS | Peking University
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Education

Peking University , Computer Science	Sep 2023 - Present
• GPA: 3.642/4.0	
• Coursework: Fundamentals of AI, Software Design, Data Structure and Algorithm(Grade: 100), Computational Photography(Grade: 100), Programming in AI(Grade: 100)	

Experiences

Prof. Mohan Chen Research Group <u>AISI</u> (AI for Science Institute, Beijing)	Research Internship Internship	Nov 2023 – Nov 2024 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 , Starred: 225) based on density functional theory (DFT), aiming for large-scale electronic-structure simulations from first principles.		
• My contributions include: <ul style="list-style-type: none">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 Internship	Nov 2024 – Present
Supervisor: Prof. Boxin Shi		Beijing
• My current research interests lie at 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...)