

# Chenxu Bai

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## Education

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

## Experiences

<b>Prof. Mohan Chen</b> Research Group <u>AISI</u> (AI for Science Institute, Beijing)	Research Internship Internship	<b>Nov 2023 – Nov 2024</b> <b>Aug 2024 – Nov 2024</b>
Supervisor: <b>Prof. Mohan Chen</b>		Beijing
• My work focuses on <b>scientific computing</b> , mainly for ABACUS (Atomic-orbital Based Ab-initio Computation at UStc), which is an <b>open-source</b> package (GitHub Repo: <a href="#">abacus-develop</a> , 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"><li>Binding certain modules of ABACUS to Python (<b>Pythonization</b> of ABACUS)</li><li><b>Maintaining</b> and <b>refactoring</b> parts of the source code of ABACUS</li></ul>		

<b>Camera Intelligence Lab, IDM/NERCVT</b>	Research Internship	<b>Nov 2024 – Present</b>
Supervisor: <b>Prof. Boxin Shi</b>		Beijing
• My current research interests lie in computer vision and computational photography, with a particularly 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...)