

# Chenxu Bai

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## EDUCATION

<b>Peking University</b> , Robotics Engineering	<b>2023.09 – 2025.09</b>
<b>Peking University</b> , Computer Science and Technology	<b>2025.09 – 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	Research Internship	<b>2023.11 – 2024.11</b>
<b>AISI</b> (AI for Science Institute, Beijing)	Internship	<b>2024.08 – 2024.11</b>
Supervisor: <b>Prof. Mohan Chen</b>		<b>Beijing</b>
• 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: <b>228</b> ) 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 ( <b>Pythonization</b> of ABACUS)		
• <b>Maintaining</b> and <b>refactoring</b> parts of the source code of ABACUS		

<b>Camera Intelligence Lab, IDM/NERCVT</b>	Research Internship	<b>2024.11 – Present</b>
Supervisor: <b>Prof. Boxin Shi</b>		<b>Beijing</b>
• My current research interests lie at intersection of <b>computer vision</b> and <b>computational photography</b> , 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...)