

# Chenxu Bai

Undergraduate | [School of EECS](#) | [Peking University](#)  
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## EDUCATION

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<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>

- **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

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<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: **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: **228**) 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 (**Pythonization** of ABACUS)
  - **Maintaining** and **refactoring** parts of the source code of ABACUS

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<b>Camera Intelligence Lab, IDM/NERCVT</b>	Research Internship	<b>2024.11 – Present</b>
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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

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

## SKILLS

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