CHEN BOWEN

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2nd-year undergraduate seeking an internship in mechanical design & manufacturing engineering

EDUCATION

Beijing University of Chemical Technology (BUCT) — Beijing, China Expected June 2029
B.E. in Mechanical Design, Manufacturing and Automation — School of International Education

- Relevant coursework: Engineering Drawing, Engineering Materials, Engineering Ethics, SolidWorks, Python
- **GPA: 3.77** | Awarded the People's Scholarship

LEADERSHIP & VOLUNTEER EXPERIENCE

College Volunteer Work Department, BUCT — Department Head **2026 – Present**

- Planned and organized the annual student volunteer team recruitment campaign, from promotion scheduling to final selection.
- Hosted offline recruitment talks and conducted interviews with candidates, evaluating motivation and fit.
- Recruited and onboarded 4 new student volunteers, demonstrating leadership, event planning, and communication skills.

Community Volunteer Program — Volunteer Organizer **2025 – 2026**

- Collected and managed volunteer information and assigned tasks across the program to keep activities on schedule.
- Organized volunteers to run interactive games and reading sessions for children in the local community.
- Provided tutoring for 25 children, improving their reading interest and comprehension ability; recognized for empathy and time management.

PROJECTS

Line-Following Robot Car — Robotics Workshop Course Project

- Led code development and testing of TCRT5000 infrared reflectance sensors; wrote data acquisition and threshold judgment programs; calibrated detection thresholds through field tests, enabling stable line tracking.

AI Economics & Management Agent — Competition Project

- Designed system architecture and implemented prompt engineering and a RAG-based diagnostic workflow for an intelligent tutoring agent; completed cloud deployment for stable online operation.

AI-Dubbed English Short Video — Advanced English Course Project

- Produced a fully English-dubbed short film on one-armed basketball player Zhang Jiacheng using AI generation tools; handled editing, color grading, subtitles, and audio-visual synchronization.

SKILLS

- **Languages:** Chinese (native), English (conversational; CET-4 certified)
- **Software:** Python, SolidWorks, MS Office, NI (National Instruments) software
- **Laboratory:** Precision measurement (vernier caliper, micrometer, dial indicator); tensile and hardness testing; metallographic sample preparation and observation; lathe and milling machine operation; lab safety protocols
- **Professional:** Technical document writing; team collaboration

CERTIFICATIONS

- College English Test Band 4 (CET-4)
- Currently preparing for the Lanqiao Cup National Programming Competition (Python track)