

CHENGHAO WANG (CAELAN)

818 132nd NE AVE, Bellevue, WA
(+1) 4254364595 ◇ 18501284401@163.com ◇ wch1007@uw.edu

EDUCATION

University of Washington M.S.T.I (Master of Science and Technology Innovation) in Robotics	<i>(Expected) September 2024 - March 2026</i>
● Courses: Machine Learning & Signal Processing, Robotics Lab, Fabrication and Physical Prototyping, Sensors and circuits, User Research, Design Thinking, Technology Business Strategy	
Tsinghua University M.Sc in Data Science	<i>September 2023 - June 2024</i> <i>GPA: 3.97/4.0 (Top 10%)</i>
● Pervasive HCI Lab; first author of an LBR paper at HRI'2024 conference; GIX Academy 1st Place Scholarship	
● Courses: Statistical Machine Learning, New Venture Creation, Computational Intelligence and Robotics, HCI Technology, Innovation Entrepreneurship Practice, Strategy and Management of Design, Pervasive Computing	
Tsinghua University B.E. in Architecture	<i>September 2019 - June 2023</i> <i>GPA: 3.76/4.0 (Top 30%)</i>
● Data Mindset and Practice Certificate, Liberal Arts and Science General Education Excellence Certificate	
● College Special Contribution Award, Vice Chairman of the Student Union, Graduation Speech Representative	
● Courses: Introduction to Data Science, Statistical Inference, Probability Theory, Calculus, Programming(C++)	

TECHNICAL SKILLS

Coding	Python, C++, R
Software	MS Office, Photoshop (lectured in high school), Premiere, InDesign, Figma, Arduino, Rhino, Fusion 360, AutoCAD, Flutter, Overleaf
Systems & Tools	Ubuntu (virtual machine), Windows, Linux (basic operations), Cloud Servers, Command-line scripting, ROS2
Product Development	PRD, Project Planning Documentation, PMF Analysis

ENTREPRENEURIAL PRACTICE

Tangwen Zhixin (Beijing) Technology Co., Ltd. Product Director	<i>September 2023 - Present</i>
● As a core founding team member, led the desktop robotics project from scratch, securing \$300,000 seed funding from MiraclePlus and showcasing the prototype at the China International High-tech Expo (CHITEC).	
● As Product Director, created PRD, IP character profiles, HCI documentation, robot motion libraries, and project management documentation, completing the technical roadmap for desktop robotics.	
● As Lead Presenter, won multiple top-tier national innovation and entrepreneurship competitions:	
– Silver Award at the 14th Challenge Cup National Competition (Top 1%)	
– Silver Award at 2024 China International Student Innovation Entrepreneurship Competition (Top 1%)	
– 2nd Prize in the 3rd Beijing University Student Innovation Entrepreneurship Competition (Top 1%)	
– Top Ten in Youth Creative Innovation at the 7th "Entrepreneurship Beijing" Competition (Top 1%)	

OTHER INFORMATION

- Language: Mandarin, English (TOEFL: 111, GRE: 326)
- Marathon runner: 1st in 2023 Beijing Railway Half Marathon; 4 half marathons, 2 full marathons so far.
- Triathlete: 4th in the age group at the 2024 Changshu Shanghu Lake International Triathlon Olympic Distance.
- Cyclist: Beijing to Zhangjiakou (400km) cycling in 2020, around Hainan island (1080km) in 2024.
- Hobbies & Interests: Product Research, Various Sports (Ultimate Frisbee, Tennis, Basketball, Table Tennis, Swimming), Fitness, Strategic Board Games & Puzzles