

# WEI LIN CHEN

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## EDUCATION

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**Shanghai High School International Division, *High School Diploma*, Shanghai, China** **Anticipated June 2025**

AP Scores: Biology (5), Environmental Science (5), Chemistry (5), Physics C Mechanics (5), Physics C Electricity & Magnetism (5), Calculus BC (5), Microeconomics (5), Macroeconomics (5)

**Johns Hopkins University, *Biomedical Engineering Innovation*, Online** **August 2023**

Research Project: The Impact of Musical Tempo on Optimizing Exercise Intensity

**Stanford Medicine, *Clinical Summer Internship*, Online** **July 2023**

Coursework: Physical Exam, Anatomy and Dissection, Social Determinants of Health, Emergency Care and Trauma

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

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**Health One Club, *Founder and President*, Shanghai, China** **May 2021 – Present**

- Established and led a lung health volunteer club advocating for better respiratory health practices with over 250 members from 15 high schools; strategized, recruited, and coached the club's leadership team
- Partnered with 10 healthcare organizations through lecture invitations, regular visits, and exchanges; Hosted 12 on-campus information sessions on public health and respiratory disease topics
- Founded Bike for Lung Cycling Team; Organized 20+ charity rides, including the Shanghai Urban Amateur Cycling Race with over 30,000 RMB donations for children with cancer, the 2023 Love Lung Charity Ride with sponsorship from biotech companies to support lung cancer patients
- Held 20 volunteer screenings and 4 lung music therapy workshops for 500+ elderly residents; designed and led courses on lung music therapy, breathing skills, rhythmic walking, and CPR techniques

**AI for Diagnosing Lung Diseases via Cough Sounds, *Team Leader/First Author*, Shanghai, China** **Jul 2022 – Jul 2024**

- Led a team of 3 to build an AI model with an innovative fast-ensemble technique to diagnose lung diseases based on cough sounds; introduced to 300+ elderly for at-home monitoring, enhancing awareness and diagnosis rates
- Established a Chinese dataset, conducted literature research, set project direction, and built hardware to test correlations between demographics and respiratory risks. Developed work plan and tracking mechanism to ensure timely and quality delivery of the project

**Sudden Cardiac Death Prevention Training for Older Adults, *Project Lead*, Shanghai, China** **Aug 2022 – Present**

- Received CPR & First Aid Certification. Conducted research on sudden cardiac arrest awareness among 100+ older adults in Shanghai
- Held two emergency training courses, drafted training materials, and analyzed the impact of social and economic factors on elderly first-aid education access, AED confidence, and sudden cardiac death awareness

**National Clinical Research Centre for Respiratory Diseases, *Research Intern*, Beijing, China** **Jul 2024 – Aug 2024**

- Using quantitative questionnaires and qualitative interviews to assess staff skills and equipment, evaluated COPD public health pilot readiness across 10+ hospitals in 3 cities with varying economics
- Trained 300+ primary care doctors and nurses in SAAS tools and spirometer use, ensuring effective implementation and addressing technical queries

**The Institute of Basic Medical Sciences of the CAMS, *Research Assistant*, Beijing, China** **Jan 2024**

- Prepared experimental mice: bred 8 mice, dissected subcutaneous tissues from the mice, extracted DNA from tissues, confirmed generation linkage of mice through identifying genetic content of mice by PCR

**China Cardiovascular Association, *Intern*, Shanghai, China** **Jul 2022 – Aug 2024**

- Researched and wrote over 30 articles on cardiopulmonary diseases and rehabilitation. Edited articles and developed content strategies for the association's media account by analyzing keywords and reading trends
- Guided visiting doctors, assisted with translations, and supported venue setup at the World Congress of Cardiology 2024 in Shanghai
- Organized two children's art events featured in the heart art exhibition at the China Cardiovascular Intervention Forum, attended by over 1,000 people

## SKILLS

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Languages: Mandarin (Native) and English (Fluent)

Certifications: PCEP™ certified entry-level Python programmer (Python syntax, data structures, and loops)

Arts: Percussion (14 years) and Street Dance (8 years, Popping, Locking, Hip Hop, Funk)