

Bowen Wang

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EDUCATION

Vanderbilt University

Nashville, TN

Candidate for B.S. in Neuroscience, double major in Cognitive Study; Minor in CS & Philosophy

Expected Fall 2025

- **GPA:** 3.6 / 4.0
- **Relevant Coursework:** Computational Simulation Methods for Neural Models, Natural Language Processing, Visual Systems, Metabolism in Chronobiology, Cellular Neurobiology, Data Structure, Game Development

RESEARCH EXPERIENCE

Vanderbilt University Medical Center CICCL

Nashville, TN

Department of Otolaryngology, Laboratory Assistant

May 2024 – Present

- Assessed the feasibility and the effectiveness of a self-designed gamified remote training protocol as a rehabilitation method primarily for enhancing indexical processing abilities in adult cochlear implantation users.
- Delivered a remote gamified training protocol piloted by over 20 CI users and normal hearing subjects for publication.
- Integrated 2000+ lines of code in Matlab and R which helps sustain an auto-scoring program to facilitate professional audiologists.

Suzhou Psychiatric Hospital

Suzhou, China

Clinical Research Intern

Jun 2023 – Aug 2023

- Assisted research and performed PCR to study and analyze the effect of stem cell therapy on depression.
- Participated in consultations with children at the adolescent psychiatric disease department.
- Assisted in a health surveillance program that refers 50+ mentally injured youth to appropriate community organizations.

Time Restrictive Feeding and Biological Clocks

Nashville, TN

Undergraduate Laboratory Assistant

Aug 2024 – Dec 2024

- Compiled statistics and integrated computer data to study the impact of Time Restrictive Feeding on the sleeping quality of university students.
- Designed a recommended mealtime plan suitable for college students based on the theory of lipid catabolism rhythm and food-entrainable oscillators that significantly optimizes sleeping quality and reduces fat accumulation.

Independent Research, Psycholinguistics

Suzhou, China

Psycholinguistics Paper Publication

Aug 2021

- Explored the psychological process of character recognition and the mediating role of orthographic, phonological, and semantic representation.
- Adopted the methods of probability statistics and natural observation of corpus to compile Chinese character recognition and acquisition errors

LEADERSHIP & VOLUNTEER EXPERIENCE

- Muhe Health Support Group Vanderbilt branch chair
 - Manage and train 30 international student volunteers
- The first author of abstract and poster presentation in Translational Research Forum
- Observing volunteer in cochlear implantation surgery in OR
- Teacher Assistant of Dr. Johnson in Biological Clock lecture

Fall 2024 – Present

Summer 2024

Summer 2025

Fall 2025

SKILLS & INTERESTS

Languages: Native – Mandarin; Professional – English

English Proficiency tests: TOEFL: 112; SAT: 1530

Technical Skills: Highly proficient in Matlab, R, Python, HTML, CSS, Jupyter Notebook, Canva, Gedot4