Zihao Chen

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Research Experience

Researcher   *June 2021 – September 2021*
Lumiere Research Scholar Program (Remote)   Guangzhou, China

— Study Semantics with a Linguistic Ph.D. at Harvard online for 1 hour per week to explore the field of Linguistics
— Compose a 20-page paper on meaning relationships in semantics in two months to provide personal insights and reflection into the field

Researcher   *July 2021 – August 2021*
Carleton Summer Liberal Art Institute (Remote)   Guangzhou, China

— Study power relationships in Europe during the Renaissance and Shakespeare's revolution of English to accumulate knowledge in history and humanity
— Write a 7-page essay on Europeans' perception of China based on analysis from the perspective of Cartography to reveal a potentially biased viewpoint

Researcher   *September 2023 – Present*
Attention, Perception, & EXperience (APEX) Lab at UChicago   Chicago, USA

— Research on methods to incorporate the Compositional Pattern Producing Networks (CPPN) into an existing program that utilizes the NeuroEvolution of Augmenting Topologies (NEAT) algorithm such that the evolutionary behavior of images generated by the program is altered.

Related Courses Taken

CMSC 14100 – 14200 | Introduction to Computer Science I – II   *Fall 2022 – Winter 2022*
MATH 15100 – 15300 | Calculus I – III   *Fall 2022*
SOSC 14100 – 14300 | Mind I – III   *Fall 2022 – Spring 2022*
PHIL 23027 | Philosophy of Animal Minds   *Winter 2022*
PSYC 28990 (NSCI 21825) | Constructing consciousness: How do we go from matter to mind?   *Spring 2022*
CMSC 14300 – 14400 | Systems Programming I – II   *Spring 2022 – Fall 2023*
NSCI 20101 | Foundations of Neuroscience   *Fall 2023*
CMSC 22000 | Introduction to Software Development   *Fall 2023*
CMSC 27100 | Discrete Mathematics   *Fall 2023*
NSCI 20111 | Cellular Neurophysiology   *Winter 2023*
NSCI 20140 | Sensation and Perception   *Winter 2023*
CMSC 27200 | Theory of Algorithms   *Winter 2023*
STAT 22000 | Statistical Methods and Applications   *Transfer Credit*

Education

The University of Chicago   *June 2026*
Bachelor of Science in Computer Science, Bachelor of Art in Neuroscience (GPA: 4.0)   Chicago, IL

The Affiliated High School of South China Normal University   *June 2022*
General Education (GPA: 4.89/4.00 (weighted))   Guangzhou, China

Skills

— Python, including Numpy, Pandas, Matplotlib (Proficient)
— C (Conversant)
— Java (Conversant)
— Assembly (Beginner)
— Linux
— GitHub
— Jupyter Notebooks
— LaTeX
— Blender
— VMWare Workstation
— Microsoft Office
— Mandarin (Native)