Xiang Li, Louis

The Ohio State University
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Education

The Ohio State University   2023–Present
Master of Science in Mathematics
Columbus, OH, USA
Thesis: Interpretation of superstable theories
Advisors: Gabe Conant and Ivo Herzog

The Ohio State University   2022–Present
Master of Science in Computer Science and Engineering
Columbus, OH, USA
Thesis: Survey: Randomness extractors
Advisor: Zeyu Guo

The Ohio State University   2020–2022
Bachelor of Science in Computer Science and Engineering
Columbus, OH, USA
Awarded Cum Laude

Hangzhou Dianzi University   2018–2023
Hangzhou, Zhejiang, China
Bachelor of Engineering in Computer Science and Technology
Transferred to The Ohio State University in 2020, finished the degree in 2023 by remote learning

Experience

Academic

The Ohio State University, Columbus, OH, USA
Research Assistant, John Glenn College of Public Affairs   2024–Present
Researched about AI in Public Affairs and Non-Profit Organizations Management, supervised by Dr. Megan LePere-Schloop. Focused on extracting and analyzing data from IRS Form 990 as well as other public data sources for analysis.

The Ohio State University, Columbus, OH, USA
Teaching Assistant, CSE 2321: Foundations I   2021–2022
Graded assignments and held office hours. CSE 2321 is a course on propositional and first-order logic; basic proof techniques; graphs, trees; analysis of algorithms; asymptotic analysis; recurrence relations. Supervised by Prof. Doreen Close.

The Ohio State University, Columbus, OH, USA
Teaching Assistant, CSE 3901: Project: Web Applications   2021–2022
Graded web development projects using Ruby on Rails and held office hours. CSE 3901 is a course on intensive group project involving design, development, and documentation of a web application; client-side and server-side scripting; communication skills emphasized; builds programming maturity.

Industry

Hangzhou Tuoshupai Technology Development Co., Ltd. (OpenPie), Hangzhou, China
Software Developer   2021–2022
Developed user interface of a data computing platform for an innovation-driven organization in basic data computing. Serves as one of the founder members of the company.

Nanhu 1024 Foundation, Jiaxing, China
Software Developer & Ops   2021–2022

Developed websites and digital workflows for startups and small businesses. Responsible for webpage development and operations.

Leadership Activities and Memberships

Member, CSE Mental Wellness Committee 2021–Present
The Ohio State University, Columbus, OH, USA
Organized and participated in organizing events to improve mental wellness, including game nights and de-stressing events. Addressed mental health issues and provided resources for students in the CSE department.

Mentor, Peer Mentoring Program for Graduate Students in CoE 2024
The Ohio State University, Columbus, OH, USA
Mentoring one incoming graduate student in the College of Engineering.

Projects & Presentations

Presentation: Computational Complexity Classes and Elementary Recursive Functions 2023
The Ohio State University, Columbus, OH, USA
Explored the relationship between complexity classes and recursive function theory, focusing on elementary recursive functions.

Smart Grader Project 2022
The Ohio State University, Columbus, OH, USA
Developed a web application for semi-automated grading, using Django, React, and PostgreSQL.

CSE 3901 Project: TA Assignment System 2021
The Ohio State University, Columbus, OH, USA
Created a web application for managing TA assignments using Docker, Ruby on Rails, and PostgreSQL.

Greenplum Database Contributions 2020–2024
Contributed two pull requests and one branch for the logical backup feature of Greenplum, a massively parallel processing SQL database based on PostgreSQL.

Technical and Language Skills

Technical: Django, PostgreSQL, Ruby on Rails, Docker, React, Git, Greenplum
Languages: English (Fluent), Mandarin (Native), Shanghainese (Native)