

Shilong Xiang

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Education

Wuhan University of Technology, BA in Finance Science	Sept 2021 – May 2023
University of California, Berkeley, Visiting Student	Jan 2024 – May 2024
University of Minnesota, Twin Cities, BS in Computer Science	Sep 2024 – Present

Research experience

University of Minnesota	Twin Cities, MN, USA
[Knowledge Computing Lab] Research Intern	Sep 2024 – Present
Advisor: Janghyeon Lee	

- Working on developing a data-driven framework integrating deep learning and street-view imagery to quantify urban walkability at scale
- Working on Combining objective computer vision features (sidewalk coverage, vegetation density) with subjective local insights for comprehensive walkability scoring

Projects

ICBC Credit Suisse FinTech Challenge (Repo)	2023
<ul style="list-style-type: none">• My role: Preprocess and analyze the provided factor data, write deep learning code to train the data, create a visualization system, and develop both the front-end and back-end, with the back-end prediction results passed into the front-end visualization.	
Ants Vs. SomeBees (Repo)	2024
<ul style="list-style-type: none">• Completed a game similar to Plants vs. Zombies, creating various types of "plants" and "zombies," with a focus on developing the underlying logic.	
Ngordnet (Wordnet) (Repo)	2024
<ul style="list-style-type: none">• Completed a word cloud system that can identify common hypernyms or hyponyms of multiple input words and output the words with the highest frequency of occurrence in historical data, according to the specified quantity.	
Generating explorable worlds (Repo)	2024
<ul style="list-style-type: none">• Completed a system that can generate a random world based on user input, including a UI, character movement control within the world, and various functionalities.	

Awards

• UMN MURAJ In-Action Grant Award	2025
• Third Prize of ICBC Credit Suisse FinTech Challenge	2023
• WUT University Scholarship	2023
• WUT University Scholarship	2022

Technologies

Expretise in: C++ , C, Java, Python