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Jason Niu

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EDUCATION

University at Buffalo

Buffalo, NY

PhD Computer Science

Aug 2020 – Present

Advisor: A. Erdem Sariyüce

Graduating in June 2025

University at Buffalo Honors College

Buffalo, NY

BS Computer Science

June 2020

GPA: 3.907

RESEARCH EXPERIENCE

University at Buffalo Research Assistant

May 2020 – Present

Pacific Northwest National Laboratory PhD Intern

May – Aug 2022

Research Field: Graph Mining

Publications:

- Counting induced 6-cycles in bipartite graphs: *ICPP'22*
- On cohesively polarized communities in signed networks: *CySoc'23*
- Retrieving top-k hyperedge triplets: models and applications: *BigData'24*

University at Buffalo Research Assistant

Dec 2018 - June 2019

Project Title: 3D Unity Vehicle Platform

Objective: To design a 3D environment of UB in Unity for vehicle research

- Designed motorcycle movement in a real-world environment

INTERNSHIP EXPERIENCE

Pacific Northwest National Laboratory

Richland, WA

PhD Intern

June 2024 – Present

Confidential Sponsored Project

interactiveX

Buffalo, NY

Software Developer Intern

May – August 2019

Project Title: Classavo

Objective: To design an educational platform that uses the affordances of technology to promote a more engaging learning experience

- Used Django Rest Framework to create a backend API server
- Developed book and forum apps using React boilerplate

COMPUTER/TECHNICAL SKILLS

- Proficient in Python, C++, Django Rest Framework, and React Redux Saga

WORK HISTORY

- University at Buffalo CSE 531 Algorithms Teaching Assistant Aug 2024 – Present
- University at Buffalo EAS 360 STEM Communications Grader Sep 2019 – May 2020
- CSE 50th Anniversary Robin Lin Video Dec 2017 – Jan 2018