

Shixin Song

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EDUCATION

University of Michigan

Bachelor of Science in Computer Science

Ann Arbor, U.S.

2020 - Present

Shanghai Jiao Tong University

Bachelor of Science in Electrical and Computer Engineering

Shanghai, China

2018 - 2020

RESEARCH

BTB Performance Optimization | CPU, Optimization

2021

- Improve BTB performance for data center applications

Behavior Trends Prediction | Hardware optimization

2021

- Characterize widely used data center applications to predict future behavior trends

AWARDS AND HONORS

ACM Student Research Competition First Place Winner

2021

MIRCO-54

Roger King Scholarship

2021

University of Michigan

Ann Arbor, U.S.

Dean's List

2020, 2021

University of Michigan

Ann Arbor, U.S.

SJTU Undergraduate Excellent Scholarship

2019, 2020

Shanghai Jiao Tong University

Shanghai, China

Fuda Scholarship

2019

Shanghai Jiao Tong University

Shanghai, China

EXPERIENCE

Undergraduate Research Assistant

2021

University of Michigan

Ann Arbor, U.S.

- **Advisor:** Prof. Baris Kaskci

Grader

2021

University of Michigan

Ann Arbor, U.S.

- Introduction to Computer Organization (EECS370)

Teaching Assistant

2019 - 2021

Shanghai Jiao Tong University

Shanghai, China

- Introduction to Computers and Programming (VG101)
- Introduction to Engineering (VG100)
- Honors Mathematics II (VV186)

Student Advisor

2019

Shanghai Jiao Tong University

Shanghai, China

Volunteer Teaching

2018 - 2019

Sanhe Junior School

Yunnan, China

- Math classes for grade 7 students

TECHNICAL SKILLS

Languages: C/C++, Python, Matlab, Mathematica, Tex, JavaScript

Frameworks: React, Flask

Developer Tools: Git, Docker, CLion, PyCharm, IntelliJ, RoadRunner

Libraries: pandas, NumPy, Matplotlib