Shixin Song

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EDUCATION

University of Michigan — Ann Arbor, U.S.
Bachelor of Science in Computer Science — *2020 - Present*

Shanghai Jiao Tong University — Shanghai, China
Bachelor of Science in Electrical and Computer Engineering — *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

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