

Qixuan(Talia) Chen

taliac@utexas.edu | ttaliacc.github.io

EDUCATION

University of Texas at Austin

Ph.D. in Computer Science

- Advisor: Vijay Chidambaram

Austin, TX

Sep. 2025 – Present

Boston University

Bachelor of Arts & Master of Science in Computer Science

- GPA: 3.85/4.0
- Advisor: Vasiliki (Vasia) Kalavri

Boston, MA

Sep 2021 – May 2025

RESEARCH INTERESTS

Machine Learning Systems, File and Storage Systems, Distributed Systems

PUBLICATIONS

- **Qixuan Chen**, Yuhang Song, Melissa Martinez, Vasiliki Kalavri. **RingSampler: GNN Sampling on Large-Scale Graphs with io_uring**. *Proceedings of the 17th ACM Workshop on Hot Topics in Storage and File Systems (HotStorage)*, pages 52–60. (HotStorage '25)

RESEARCH EXPERIENCE

Research Assistant

UT Systems and Storage Lab

- Advisor: Vijay Chidambaram
- Exploring novel data system architectures for agentic AI integration and efficient query processing
- Developing distributed vector databases to handle large-scale datasets and support high-demand LLMs

Aug 2025 - Present

Austin, TX

Research Assistant

Boston University CASP Lab

- Advisor: Vasiliki Kalavri
- Scale Graph Neural Network sampling on large-than-memory graphs using io_uring

Sep 2023 – Jul 2025

Boston, MA

INDUSTRY EXPERIENCE

Software Engineer Intern

BU Spark! at Boston University

- Developed an interactive data management portal for Harvard University Herbaria using PHP, integrating a text recognition ML model to streamline data entry and significantly enhance data management efficiency

Sep 2022 – May 2025

Boston, MA

Frontend Engineer

SunnySide

- Led React Native development for a mental health app, designing key screens from Figma prototypes and optimizing journal storage using WebView with the Quill library

Nov 2022 – Aug 2023

Remote

EXTRACURRICULAR ACTIVITIES

Co-director

BU Machine Intelligence Community(BUMIC)

- Organized weekly cooperative learning workshops and public speaking events on Machine Learning to engage students and foster community growth

Sep 2022 – May 2024

Boston, MA

AI Fellow

Break Through Tech

- Mentored women & non-binary students interested in ML, sharing personal experience and providing career advice

Oct 2024

Boston, MA

AWARDS

Finalist of Student Research Competition SOSP 2024 <i>Presented a poster and delivered a research talk, earning 2nd place in the undergraduate category</i>	Nov 2024
Student Scholarship SOSP 2024 <i>Received scholarship covering travel and accommodation costs for attending SOSP2024 in-person</i>	Oct 2024
UROP Research Award Boston University <i>Awarded funding by BU UROP to conduct research</i>	Apr 2024

TEACHING EXPERIENCE

- **CS 395T Distributed System-WB:** Teaching Assistant (UT Austin, Fall 2025)

SERVICE

- **Artifact Evaluation Committee:** OSDI'25
- **Volunteer:** SOSP'24