

JASON FAN

CONTACT INFORMATION

jason.fan@emory.edu

<https://json-fan.github.io>

EDUCATION

Emory University

Ph.D. in Computer Science and Informatics (Advisor: Dr. Joyce Ho)

PRESENT

University of California, Irvine

M.S. in Computer Science

2022

University of Georgia

B.S. in Computer Science

2020

HONORS & AWARDS

NSF CSGrad4US Fellowship

<https://www.nsf.gov/cise/graduate-fellowships>

2024-2029

RESEARCH EXPERIENCE

Graduate Research Assistant

AUG. 2025 - PRESENT

PhD Student (Advisor: Dr. Joyce Ho)

- Leading the development of a culturally personalizable, LLM-driven chatbot to supplement Diabetes Prevention Programs (DPPs), utilizing persona-based adaptation to dynamically tailor preventive health education to distinct user demographics.
- Evaluated the impact of culturally and demographically diverse personas on the personalization of diabetes prevention multiple-choice questions (MCQs).

Undergraduate Research Assistant

JAN. 2020 – MAY. 2020

Part-time Researcher (Advisor: Dr. Yi Hong)

- Researched computationally efficient methods to segment brain tumors from patients' fMRI data using Support Vector Machines.
- Evaluated the impact of different preprocessing strategies and model configurations to maximize segmentation performance and minimize training and inference time.

PROFESSIONAL EXPERIENCE

Software Developer

2024 - 2025

MTech Systems, Atlanta, GA

Data Science & Software Development Intern

2023

MTech Systems, Atlanta, GA

Software Engineering Intern

2021

LogicMonitor, Santa Barbara, CA

Data Science Intern

2019

RealPage, Atlanta, GA

PUBLICATIONS

Fan, J., Fensore, C. M., Shtulman, J., Pai, R., Shoaib, D. M., Shah, M., & Ho, J. C. Persona-Guided LLM Adaptation for Culturally Personalized Diabetes Prevention MCQs. Proceedings of the 2026 IEEE 14th International Conference on Healthcare Informatics (ICHI '26).

Fensore, C. M., Dhole, K., **Fan, J.**, Agichtein, E., & Ho, J. C. Designing Diverse RAG Benchmarks: A Hierarchical Framework for Synthetic Question Generation. In Proceedings of the 49th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '26).

TALKS & PRESENTATIONS

Persona-Guided LLM Adaptation for Culturally Personalized Diabetes Prevention MCQs. *IEEE ICHI 2026*. June 3, 2026. (15-min talk + poster)

SKILLS

Languages: Python, C#, Java, JavaScript, SQL

Technologies: Git, Docker, Azure, .NET, Angular

UX Research: User research, Prototyping, Usability testing