Angqi Li

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Education

Michigan State University, Ph.D. in Computational Mathematics, and Science Engineering — Jan 2023 – Present

Michigan State University, B.S. in Chemical Engineering — Sept 2018 – May 2022

- **Concentration:** Computer Science & Mathematics

Publications and Conferences

- **Patient-Adaptive and Learned MRI Data Undersampling Using Neighborhood Clustering** — ICASSP 2024
  Siddhant Gautam, ***Angqi Li***, Saiprasad Ravishankar
  10.1109/ICASSP48485.2024.10446528
- **Understanding Longitudinal Effects of Mantra Meditation and Breath-focused Meditation using EEG** — Neuroscience 2024 Chicago
  Angqi Li, Pratham Pradhan, Krishna Ika, Mengsen Zhang, Barry H. Cohen, Saiprasad Ravishankar
- **Measuring the Effectiveness of Mantra-based Meditation using EEG Data Analysis** — Neuroscience 2023 Washington, D.C.
  Angqi Li, Pratham Pradhan, Annie Wozniak, Krishna Ika, Barry H. Cohen, Saiprasad Ravishankar
- **Patient-adaptive and Learned MRI Data Undersampling Using Neighborhood Clustering** — Neurips 2023
  Siddhant Gautam, ***Angqi Li***, Evan Bell, Saiprasad Ravishankar

Experiences

Laboratory Assistant, Shanghai Jiaotong University – Shanghai, China — Apr 2021 – Aug 2021

- Assisted researchers in analyzing data for final project reports, debugging prototypes, and preparing experimental materials.
- Conducted independent experiments, including tissue clearing (CUBIC) and staining post-transparent samples under an applied electric field.
- Played a key role in developing new non-toxic, organic transparency methods as part of the core research team.

Activities

Organizer and Co-host, Data-driven Understanding of Meditation and Consciousness (DUNES) Webinar Series — May 2024 - Present

- Organized and co-hosted a webinar series on Zoom, available on YouTube.
- Aimed at bringing together meditation and consciousness researchers and students from academia and industry.

Courses

- **Mathematical Foundations of Data Science**
- **Applied Machine Learning**
- **Foundations Machine Learning**
- **Highperformance Computing**

Skills

- **Languages:** Python, C++, C, Matlab, SQL, JavaScript
- EEG Data Collection and Analysis, Medical Image Processing