Aspiring PI Info:
- Cheng Tan
- Assistant professor
- Khoury College of Computer Sciences, Northeastern University

Northeastern University

Research interests:

- neural network for systems (NN4Sys)
- computer systems

Current Project(s)

- building verified neural networks for computer systems

Project Idea(s)…

- **Context**: NN4Sys is promising and attracts much attention in industry.
- **Problem**: there is a three-way trade-off between safety, accuracy, and efficiency
- **Idea**: combine NN-Verification (formal method) and computer system designs (the field)

… and possible collaborators sought

- growing the community of verified NN4Sys
- developing new verification techniques for large models
- discovering the "killer apps" in modern real-world systems