Amaan Khan

amaan@wustl.edu | (609) 787-9839

Research Interests

Cyber-physical systems, Trustworthy AI, Adversarial ML

Education

Washington University in St. Louis

Master of Science in Cybersecurity Engineering   Expected 2027

Graduate Certificate in Machine Learning and Data Mining

Washington University in St. Louis

Bachelor of Science in Computer Science   2025

Research Experience

Autonomous Systems Lab   2026 - Present

Washington University in St. Louis, CSE Dept.

Advisor: Dr. Hussein Sibai

Controls and safety research in humanoid robotics.

Cake-Cutting Fairness Explorations   2025

Washington University in St. Louis, REU Program

Advisor: Dr. Ron Cytron

Analyzed computational complexity and game-theoretic properties of fair-division algorithms and developed pedagogical implementations for Mozilla's Responsible Computer Science initiative.

Teaching Experience

Washington University in St. Louis

Department of Computer Science and Engineering

Teaching Assistant Positions:

CSE 468T: Introduction to Quantum Computing (Two semesters)   2025 - Present

CSE 131: Introduction to Computer Science (Three semesters)   2022–2023

Department of Mechanical Engineering and Materials Science

Leadership & Activities

WashU AI Racing   2026 - Present
Perception Team, ML Vision Engineer

WashU Robotics   2024–Present
SWARM Team, Software Engineer

Awards & Honors

CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference Scholarship, 2025. Full scholarship from Washington University McKelvey School of Engineering