

## Warith Rahman

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### Education

#### University of Texas at Austin

Austin, Texas

B.S. in Computer Science

Expected May 2027

- Minor in Statistics and Data Science
- Coursework: Discrete Math (concurrent), Data Structures: Honors (concurrent)

#### Allen High School

Allen, Texas

Rank 12 of 1654, AP Scholar w/ Distinction

May 2024

- Captain for Academic UIL Team and Science Bowl Team

### Experience

#### Texas Math and Science Coaches' Association (TMSCA)

Remote (Contract)

Chief Physics Test Writer

Aug 2024 - Present

- Develop the physics section for 16 annual TMSCA science tests, including the TMSCA State Meet
- Coordinate with the UIL Physics Director and UIL Liaison to ensure questions adhere to UIL standard

#### Outlier

Remote (Freelance)

Artificial Intelligence Tester

Jul 2024 - Present

- Critique AI responses to improve truthfulness, concision, harmlessness, satisfaction
- Projects include "Bee SFT Math Rewrites" (enhancing AI responses to mathematical queries to improve LaTeX and accuracy) and White Wolf (refining AI English semantics in a continuous conversation)

#### Mathnasium

Allen, Texas

Math Instructor

Apr 2024 - Aug 2024

- Mentored groups of up to 4 students in skills ranging from elementary addition to high school algebra through evaluating assessments and reviewing missed questions to enhance learning
- Ensured learning productivity by developing daily reflections for student sessions and upholding the cleanliness of the learning center

#### University of Texas at Dallas

Hybrid; Richardson, Texas

Research Intern

Jun 2023 - Jul 2023

- Worked under Dr. Chris Davis in a research workshop involving Natural Language Processing (NLP)
- Developed Python scripts using NLTK and BeautifulSoup to conduct linguistic analysis on webpages and articles, including analysis on diction frequency and part of speech

### Projects

- **RamenSense:** Interactive mental math trainer for Allen Number Sense Team, auto-generates realistic practice problems, directly contributed to team state qualification (<https://ramensense.github.io/>)

### Skills & Interests

Technical: Proficiency in Java, Python, C++

Language: English fluency, Spanish and Bengali working proficiency

Interests: Software development, AI integration in education, Developing a secure technological world

### Accolades

4-time American Invitational Mathematics Exam (AIME) Qualifier

17-time University Interscholastic League (UIL) State Qualifier, 5-time State Champion

Top 20 pre-college US teams at PicoCTF 2024

2023 CyberStart America Finalist