

WARITH RAHMAN

📞(469) 318-4831 | ✉️ warithr21@gmail.com | <https://www.linkedin.com/in/warith-rahman/> | <https://github.com/warithr621/>

Summary

I am a computer science student aspiring to go into the fields of software, data analytics, or cybersecurity. In software, I have co-developed a Google Chrome extension streamlining the UT Austin registration process with over 60,000 downloads and have designed a mental math trainer for a state tournament. In data analytics, I have conducted Python research in linguistic analysis. In cybersecurity, I have partaken in numerous competitions and have specialized in cryptographic problems. I am excited to further pursue these fields through internship and research programs, as I aspire to contribute to innovative solutions and a more technologically active world.

Education

University of Texas at Austin

B.S., Computer Science, Mathematics

Expected May 2028

- Courses: Linear Algebra, Probability I; Discrete Math, Data Structures: Honors, Computer Architecture: Honors
- Activities: Texas Science Bowl (Co-Founder & Data Coordinator), UT Programming Club (Member), Longhorn Math (Member)

Allen High School

May 2024

- Achievements: Rank 12 of 1654, AP Scholar w/ Distinction (16 AP and 2 IB courses)

Work Experience

Freshman Research Initiative

Austin, Texas

Undergraduate Researcher

Jan 2025 - Present

- Conducting research under Dr. Becca Young in the EvoDevOmics FRI stream, focusing on the influence of gene expression on frog development.

Longhorn Developers

Austin, Texas

Software Engineer

Sep 2024 - Present

- Collaborating in developing a Google Chrome extension with over 60,000 downloads, improving the registration process for UT Austin students
- Engaging in scripting processes with TypeScript to automate and streamline functionalities within the extension, contributing to efficient software updates.
- Implementing web application improvements based on feedback, applying core web development and computer science skills.

Texas Math and Science Coaches' Association (TMSCA)

Allen, Texas

Chief Physics Test Writer

Aug 2024 - Present

- Developing the physics section for 16 annual TMSCA science tests, including the TMSCA State Meet
- Coordinate with UIL Physics Director and UIL Liaison to ensure alignment to University Interscholastic League standards and rigorous content

Mathnasium

Allen, Texas

Math Instructor

Apr 2024 - Aug 2024

- Mentored groups of 4 students in skills ranging from elementary addition to high school algebra through assessment evaluation and missed question reviews 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

Richardson, Texas

Research Intern

Summer 2023

- Worked under Dr. Chris Davis in a Natural Language Processing (NLP) research workshop
- 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

Jun 2022 - May 2024

- Interactive mental math trainer for Allen Number Sense Team
- Auto-generates realistic practice problems
- Mentored team for state qualification

Skills

Technical: Java, C, C++, Python (Numpy, Pandas, Sklearn, NLTK)

Language: English fluency, Spanish working proficiency, Bengali working proficiency

Achievements

- **4x** American Invitational Mathematics Exam (AIME) Qualifier
- **17x** University Interscholastic League (UIL) State Qualifier (**5x** State Gold, **2024 6A Mathematics and Computer Science State Individual Champion**)
- **Top 20** pre-college US teams at PicoCTF 2024
- **2x** Texas A&M Regional Science Bowl **Quarterfinalist** (**2024 captain** @ 1st in-person appearance)
- Inaugural UT Austin Integration Bee **Quarterfinalist**
- **3rd Place** Energy AI Hackathon 2025 (hosted by UT Petroleum and Geosystems Engineering Dept.)