

Asjal Ahmad

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EDUCATION

Trinity University, San Antonio, TX

Bachelor of Science in Computer Science

May 2024

Minors in Data Science and Mathematics

Cumulative GPA: 3.966 | Major GPA: 3.938

SKILLS

Programming Languages: Scala, C++, JavaScript, Haskell, R, Go, Python, CSS, HTML, SQL, C, Visual Basic

Frameworks/Technologies: Git, XML, Tableau, Microsoft Access

Operating Systems: Windows, Linux, OS X, Android

Relevant Coursework: Algorithms/Data Structures, Functional Languages, Low-Level Computing

EXPERIENCE

Project: Knights and Knaves | San Antonio, TX

October 2021 – December 2021

Trinity University

- Spearheaded a team of 4 peers in implementing, testing, and maintaining a command-line solver for chess written in Haskell.
- Utilized a full range of purely functional programming techniques such as lazy evaluation, and monads to recursively build a game tree and determine optimal moves for winning.

Project: StarMesh | San Antonio, TX

January 2021 – May 2021

Trinity University

- Developed and designed a GUI objective based game using ScalaFx and JavaFx with tower defense mechanisms, team specific non-player-controlled characters, and a basic projectile system.
- Established a networking system using Sockets and Streams to allow multiple players to join a team in the game, compete against the other team by destroying their tower, and interact with non-player-controlled characters

Web Designer/Developer Intern | Lahore, Pakistan

September 2020 – October 2020

FlexarTech

- Assessed requirements and designed, developed, and implemented user interfaces for multiple websites using HTML5, CSS3, and JavaScript.
- Tested and debugged code on multiple browsers and platforms.

LEADERSHIP EXPERIENCE

Founder and Head | Lahore, Pakistan

June 2019 – April 2021

Musaida

- Founded a charity organization to distribute home-cooked food to 50 families per week in impoverished regions around city of 11.1 million residents.
- Orchestrated food pantry operations resulting in a 40% decrease in total spending of \$1-2K/mo.
- Facilitated billboard campaigns to raise awareness about global hunger issues locally.

CAMPUS INVOLVEMENT

Secretary, Cyber Security Club | Trinity University, San Antonio, TX

October 2021 – Present

Member, HOPE Hall | Trinity University, San Antonio, TX

January 2020 – Present

Member, Alpha Lambda Delta | Trinity University, San Antonio, TX

March 2020 – Present

AWARDS AND HONORS

Trinity University International Scholarship

2020 – 2024

Trinity University Scholar

April 2021

Trinity University Dean's List

Fall 2020