Asjal Ahmad

San Antonio, TX | 210-589-0442 | aahmad@trinity.edu | linkedin.com/in/AsjalA | github.com/aahmad09

EDUCATION

Trinity University, San Antonio, TX
Bachelor of Science in Computer Science   May 2024
Minors in Data Science and Mathematics   Cumulative GPA: 3.955 | Major GPA: 3.909

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 – Present
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