

Muhammad Zaid

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EDUCATION EXPERIENCE

The University of Texas at Dallas

Bachelor of Science, Computer Engineering

May 2024

GPA 3.86

Coursework: Discrete Mathematics for Computing, Probability Theory and Statistics, Computer Science II, Introduction to Digital Systems.

TECHNICAL SKILLS

C++, Introduction to Programming & Computer Science I

August 2020 – May 2021

Java, Computer Science II

August 2021 – December 2021

MATLAB, Intro to Electrical Engineering II & Linear Algebra

August 2020 – May 2021

Multisim, Intro to Electrical Engineering II

January 2021 – May 2021

ACADEMIC PROJECT EXPERIENCE

Undo/Redo implementation – Stack, Computer Science II

October 2021 – November 2021

- Implemented a personal ArrayList class to optimize for the Undo/Redo characteristics of the main program.
- Coded a Stack class with a ArrayList Object data type.
- Programmed a class containing several methods to enable for insertion, deletion, undo, and redo for a file.
- Utilized previously coded Stack class to store actions for either undo or redo.

Full Banking System, Computer Science I

April 2021 – May 2021

- Designed a C++ model banking system, using classes and inheritance features of the language.
- Programmed overloaded operator functions to increase productivity and ease of use of the code.
- Coded base class “Checking’s Account”, which was used to derive four other classes.

Signal Processing with OP – AMPS, Intro to Electrical Engineering II

April 2021 – May 2021

- Designed circuitry to analyze Inverting and Summing Amplifiers using Multisim to simulate the circuits.
- Combined the definition and analysis of the two Amplifiers to analyze a High-Pass Filter.
- Authored a report using the data collected from Multisim circuits.
- Visualized the data by writing scripts for MATLAB graphs.

PERSONAL PROJECT EXPERIENCE

Login – Registration System

May 2021 – June 2021

- Programmed a login-registration system using C++ file stream features.
- Coded a hashing system into the registration and login processes using an external library.

PROFESSIONAL EXPERIENCE

Wal-Mart Stores, Inc. – Arlington, TX

June 2020 – August 2020

Temporary Associate

- Assisted other associates during an all-time high labor shortage, and increased customer flow.
- Managed the electronics section alone during late night shifts, including handling monetary services.

ORGANIZATIONS

Tennis Club, UT Dallas – *Competitive Member*

August 2021 – Present

ADDITIONAL INFORMATION

Languages: Native English, Native Urdu

Eligibility: VISA, Eligible to work in the US for internships and full time for up to 36 months.