

PROJECTS

Bookstore Application (Netbeans 8.2/Java):

- Working bookstore interface with a responsive UI made using Java and JavaFX. Included functionalities such as login window, File I/O, purchasing interface, guest and admin logins, image functionality and pop-up windows.

General Purpose Processor (Quartus/VHDL):

- Created and tested a simple general purpose ALU processor using Quartus, and it was done using 3 unique ALUs. Included Latches, 4-16 decoders, Mealy/Finite state machine.

State Machine (C/Command Line):

- Functional state machine made in C, with various working commands. Commands include deleting a state, adding a state and changing a relationship using Stdin and Stdout.

TechXcape Website projects (HTML/CSS/Bootstrap 4.1):

- For my internship I made multiple websites that incorporated CSS, HTML and Bootstrap 4.1 capabilities. These websites were made to meet client demands and had functionalities such as a carousel, animations, transitions and various other functionalities.

WORK EXPERIENCE

June 2021 - Aug 2021

Front-End Intern,

TechXcape – Karachi, Pakistan

- Worked in a group with 3 others that oversaw front-end development
- Created various websites for the company using CSS, Bootstrap 4 and HTML
- Collaborated with different teams such as back-end development and customer relations to meet due dates for our tasks
- Helped newer interns with learning the ins and outs of the company as well as learning the coding languages used

Achievements: Learned how to work in a larger team of interconnected groups to meet a common goal in an efficient and timely manner. Also learned how to code in HTML and CSS.

Sept 2019 - Feb 2020

Tutor,

Tutor Doctor – Etobicoke, Canada

- Taught math and science and worked with kids of various age groups
- Managed various concerns from parents and dealt with them accordingly
- Processed and kept track of various time sheets.
- Helped newer interns with learning the ins and outs of the company as well as learning the coding languages used

Achievements: Learned how to utilize different techniques to help individuals better understand various concepts, improving my communication skills.

EDUCATION

Sep 2019 – May 2023

Computer Engineering (BEng.)

Ryerson University – Toronto, Canada

Relevant Coursework: Digital Systems, Engineering Algorithm & Data Structures, Objects Oriented Eng. Analysis & Design, Microprocessor Systems, Database Systems, Electric Networks.

SKILLS

- Fluent in various coding languages including Java, SQL, HTML, CSS, C, VHDL, Bootstrap and Assembly language.
- Proficient with the use of MATLAB, Quartus, Oracle, MultiSim, Linux and Java FX
- Certifications achieved through IEEE Computer Society and CSWA for Unix, Git, SQL, Python and CSWA Solidworks