

SAMI AL-ABOUDI

COMPUTER ENGINEERING STUDENT

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PROJECTS

Google Clone Website Simulator

- Developed static web pages which visually imitate goggle's website style. Web pages also simulate specific search capability of page being imitated.
- Leveraged proficiency in **HTML** and **CSS** to create a visually appealing and user- friendly **responsive** web interface, ensuring an optimal user experience on various devices and screen sizes.
- Demonstrated adept use of **Git** and **GitHub** for **version control** and **project management**, ensuring code organization and **project tracking** throughout the development process.

T.U.I Bookkeeping Software

- Designed a program which allows user to look up, store and manipulate books from an uploaded CSV file and into a CSV file.
- Implemented program in **python**, specifically using **file manipulation**, **line parsing**, **Dictionaries**, **nested datatypes** (such as dictionaries within dictionaries).
- Increased understanding of file manipulation with code and what makes an algorithm efficient (**big O notation**).

T.U.I Image Filtering Software

- Program designed to allow the user to manipulate an uploaded photo in a variety of ways such as photo sketching and colored image filters.
- Increased understanding of **RGB colour manipulation**, **image & file manipulation** and working with **libraries** in **python**.

T.U.I Password Manager System

- A random password generator and manager system which lets the user create a random password of user set length and store the password.
- Increased understanding of modules and data storing methods in python.

NON RELEVANT WORK EXPERIENCE

Fedex | D3 Driver

11/2023 - Present

- Main duties include sorting of packages in workstation and delivery of packages.

Noreast Electronics| Electronics Assembler

05/2022 - 09/2022

- Main duties included wire winding, wire coil wrapping, soldering.
- Tested and assembled components while working within a team to meet the various company goal rates and quality standards.

Groupe Jean Coutu Entrepot | Warehouse Worker

06/2021- 08/2021

- Operated an electric transpallet and various other machinery alongside a large team to fulfill store orders relative to the arrival of supply trucks.

EDUCATION

CARLETON UNIVERSITY

Bachelors in Computer Engineering

Sep 2021 - Present (Expected Date of graduation: Apr 2025)

SKILLS

Java & Object Oriented Programming

- Used and learned in a variety of personal and school projects.

Python, Object Oriented & Algorithms

- First language learned, used in various **personal** and **school projects** as well as classes.

C, Operating Systems & Algorithms

- Language which first introduced the concept of **static** and **dynamic memory allocation**, **structures**, **pointers** and **system libraries** which allow for operating systems control.

HTML, CSS, Javascript

- Used in **google clone website**(HTML,CSS). Learned all three in free time.

R

- Learned through **probabillity and statistics class**.

Fusion360 & Engineering Drawing

- Learned in free time, designed and **3d printed headset holder** and **f1 car**(for drag race school competition).

Git & Github

- See **github account**.

Linux & Bash Terminal

- Use **Ubuntu**(linux distribution) and **Bash** on personal computer **small scale projects** and for **operating systems class**.

Matlab

- Used primarily for school labs.

Microsoft Office Suite(Word,Excel,PPT,Teams)

- Learnt initially through school and later used in personal life (ie: **excel** used for budgeting, grade tracking etc).

Skilled with Hand Tools

- Used on **farm**, at **home**, high school **shop classes** and for family owned **mechanic shop**.

Altium Designer

- Learnt initially through **PCB design workshop**(extracurricular) and further developed skill during **free time**.

Soldering

- First learnt in free time during high school to replace ps4 HDMI ports and controller for friends.

LaTex

- Used in **Word** and **notetaking application** for school.

Mcdonald's| Shift Worker

09/2020- 05/2021

- Made a variety of food orders, operated cash register and met customer demands in under 60 seconds.
- Performed closing duties, including deep cleaning kitchen surfaces, inventory, and equipment checks.
- Assisted new crew members in getting up to speed with procedures and restaurant protocols.

Les Fruits De Poirer | Farmer

06/2020- 08/2020

- Performed a variety of dynamic jobs using various tools and machinery developing work adaptability
- Communicated clearly and positively with both customer and co-workers in both french and english