


MALAK ALI

University of Waterloo B.A.Sc Candidate
Systems Design Engineering, 2024

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SKILLS

Languages: C, C++, HTML5, CSS
JavaScript, Java, Python, Git

Software Tools: React, Node, SQL,
MongoDB, Express, jQuery, Bootstrap 4,
Vanilla JS, Google Cloud, and GC API's

Design: Figma, Sketch, Invision, Adobe
Suite, User/Market Research, UI/UX

Hardware: Arduino, Raspberry Pi,
MATLAB, Solidworks, AutoCAD

AWARDS & HONOURS

**Youth Leader @ President Obama:
Future of the Economy Speech** |
January 2020

\$48 000 Lincoln Alexander Chancellor
Scholarship | April 2019

\$3 000 Walied and Deena Soliman All
Star Scholarship | August 2019

RELATED COURSES

Data Structures & Algorithms -
structured software design, abstract
data types, recursive algorithms,
algorithm, sorting and searching,
hashing.

Web Developer Bootcamp -
Certification as Full-Stack Developer.
Created Web applications using JS,
HTML/CSS, Bootstrap, Node, jQuery,
Vanilla JS and MongoDB.

Intro to Design - Iterative Design
Loop, User/ market research
techniques, UI/UX.

INTERESTS

NBA, Ultimate Frisbee
New and emerging tech
Graphic Design

SUMMARY OF QUALIFICATIONS

Working proficiency in web app development using front-end and back-end tools such as HTML/CSS, JS, Node, SQL, Bootstrap, React, Git etc. Gaining experience in user centered design through market research and experience using Sketch, Figma, Adobe Suite, Invision, Principle and more. Interpersonal and oral communication skills developed as a mentor and executive outreach coordinator working with customers, children, and clients.

EXPERIENCE

FULL-STACK DEVELOPER

M.A. Kharafi & Sons | January 2020- Present

- Designed web app on Figma and Invision using **activity diagrams, data flow diagrams, and interface mappings** to efficiently determine design requirements.
- Led a team in the creation of a web app highlighting client's project using HTML/CSS, JS for front-end, and NodeJS and MongoDB for back-end.

MECHATRONICS DESIGNER (START UP)

Top Hat Robotics | January 2020- Present

- Identified needs requirements, created models, sourced materials, and tested with users to create an **exceptional user experience**.
- Designed robotic skeleton in accordance with requirements to optimize placement of components and ensure **safe human-computer interactions to increase pilot sales by 10%**.

UI/UX DESIGNER

MAX Gala | September 2019 - Present

- Designed new MAX Aspire website on Figma and evaluated wireframes using surveys and testing on users.
- Created and designed user-friendly graphics to increase **social media engagement by 12%**

SIDE PROJECTS

MINDFULMED

- Used HTML, CSS, and JavaScript to create custom front-end for web app and Android Studio for mobile app.
- Used **Google Cloud, Google Cloud Vision API and Firebase console** to parse text from the prescription label images and create personalized schedules and reminders.