MALAK ALI

University of Waterloo B.A.Sc Candidate
Systems Design Engineering 2019-2024

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SKILLS

Programming: C++, JavaScript, Python, HTML, CSS, Bash, MIPS
Tools: AWS, React.js, MongoDB, SQL, Express.js, jQuery, Bootstrap, Flask, Material-UI
Design: Figma, Adobe Suite, UX Writing, Visual Design, Prototyping
Management: Agile framework, Jira

EXPERIENCE

Microsoft Full Stack Developer   September 2020-January 2021
BDO

Software Developer   December 2019-Present
MAX Gala

- Implemented a serverless architecture in Python runtime using AWS API Gateway, Lambda, and RDS and deployed AWS Lambda code from S3 buckets.
- Translated final Adobe XD wireframes into React.js components leveraging the Material-UI library and used helper functions to integrate coffee chat API's, making HTTP GET and POST requests handling JSON data.
- Iteratively designed wireframes for MVP, detailing user flows for mentor and mentee views to increase positive responses collected in an organization-wide distributed survey by 12%.
- Managed pull requests, participated in code reviews and applied Git commit history/test-driven development.

Product Designer   January 2020-March 2020
M.A.K Group

- Established empathy and journey maps to identify challenges for 500 employees regarding site image distribution and internal communication means in preparation of the incoming COVID pandemic.
- Directed qualitative user interviews and usability testing on Figma prototypes, resulting in intuitive designs being picked up for future website with projected traffic of 500 employees.

Mechatronics Designer (Startup)   January 2020-April 2020
Top Hat Robotics

- Worked alongside CEO and developers to identify design requirements and facilitate agile methods, allowing for a full redesign of V3 and complete design of V4 robots using modeling tool SolidWorks and management tool Trello.

LEADERSHIP

Fellow & Member   March 2020-Present
Women Who Code | Rewriting the Code | Code in Place

Marketing Lead   January 2020-Present
BioTEC

- Conducted interviews with industry leaders, transcribing them into Q&A blog posts to engage the largest biotechnology undergraduate community nationwide.
- Took ownership of academic and non-academic partnerships by initiating outreach efforts and directing meetings, establishing 20+ new partnerships, impacting a projected 500+ undergraduate students.

SIDE PROJECTS

YelpCamp   May 2020
Built campsite review platform with **authentication, managing user profiles and authorization** to allow posts, comments, profiles, and admin access using RESTful Routing, Google Maps API, MongoDB, Express, Node.JS, and Bootstrap deployed on Heroku.

AWARDS & HONOURS

GHC Google Scholarship | August 2020
Youth Leader @ President Obama: Future of the Economy Speech | January 2020
Selected among 1000's of students nationwide to attend exclusive forum on the economy featuring Barack Obama
$42 000 Lincoln Alexander Chancellor Scholarship | April 2019
Recipient of 1 of the 2 most prestigious awards at the University of Guelph, selected out of over 400 applicants.