

# MALAKALI

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



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in/-malakali/



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malakali.digital

## QUALIFICATIONS

- Designed beautiful applications and websites with Figma using user research and competitive analysis
- Strong interpersonal and communication skills demonstrated by securing sponsors and executing marketing initiatives as an outreach specialist
- Built full stack web applications using web development tools such as HTML/CSS, NodeJS, NoSQL, Material-UI, React, Git, Express, and jQuery.

## SKILLS

**Design:** Figma, Sketch, User/Market Research, UI/UX

**Languages:** C/C++, HTML5, CSS, NodeJS, Python, Git, Bash

**Software Tools:** AWS, React, MongoDB, Express, jQuery, Bootstrap 4, Material-

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

## EXPERIENCE

### PRODUCT DESIGNER

JANUARY 2020- PRESENT

M.A.K Group

- Established **empathy and journey maps** to identify challenges for **500** employees regarding site image distribution and internal communication means.
- Directed qualitative **user interviews** and **usability testing** on Figma prototypes, resulting in intuitive designs being picked up.

### FULL STACK DEVELOPER/DESIGNER

SEPTEMBER 2019 - PRESENT

MAX Gala

- Implemented parts of a **serverless architecture** in Python runtime using AWS API Gateway, Lambda, and RDS and deployed AWS Lambda code from S3 buckets.
- Iteratively designed wireframes for MVP, detailing user flows for mentor and mentee views to increase **positive responses collected in a survey by 12%**.
- Translated final wireframes into ReactJS components and identified required API calls.

### MECHATRONICS DESIGNER (START UP)

JANUARY 2020 - MAY 2020

Top Hat Robotics

- Designed robotic skeleton in accordance with requirements to optimize placement of components and ensure **safe human-computer interactions**, increasing pilot sales by **10%**.
- Worked alongside CEO and developers to **identify design requirements** and **facilitate product development**, allowing for a full redesign of V3 and complete design of V4 skeletons.

## PROJECTS

### TRAVELTRACE

- Synthesized results from user interviews, **98** questionnaire responses, and competitive analysis to map out user flow. Resulting in the creation of a Figma prototype.

### YELPCAMP - BOOTCAMP

- Created a campground sharing platform with features such as **authentication, managing user profiles and authorization** to allow posts, comments, full profiles, and admin access using RESTful Routing, Google API's, MongoDB, Express, Node.JS, and Bootstrap deployed on Heroku.

## AWARDS

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

2019 **\$48 000** Lincoln Alexander Chancellor Scholarship

## COURSES

Human Factors & Design

Intro To Design

Data Structures and Algorithms

## INTERESTS

NBA, Ultimate Frisbee

Cooking eggs

Hacking Tech