

# MESHA EDWARDSON

## Computer Science Student & Software Developer

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## EXPERIENCE

### Software Developer

#### CapIntel

December 2021 – Ongoing Waterloo, ON

- Co-designed and created an internal front-end library for financial computations
- Used Jest to automate unit tests for each method in the library, ensuring calculation accuracy
- Inserted Cypress tags to React components to support end-to-end automated testing

### Full-stack Developer

#### Ruckify

April 2021 – August 2021 Ottawa, ON

- Designed and implemented a custom web component library to replace deprecated dependencies
- Integrated Segment.io's API within our back-end to track user data for marketing insights
- Refactored and maintained key functionality of the AngularJS front end

### QA Automation Developer

#### Ruckify

April 2020 – August 2020 Ottawa, ON

- Reduced the average testing time from 10 minutes to 18 seconds by adding Cypress.io
- Simplified the CSS selectors for the future QA team by creating data-attributes for existing DOM
- Automated unit tests for newly developed features

## EDUCATION

### Honours Bachelor of Computer Science, Co-op

#### University of Waterloo

Sept 2020 – May 2025

- Cumulative GPA: 82.84
- Relevant Coursework: Object-Oriented Programming, Algorithm Design and Data Abstraction, Functional Programs
- Member of the Ultimate Frisbee team

## CERTIFICATIONS AND COURSES

- React.js Essential Training
- Node.js Essential Training
- Node.js Web Servers, Tests, and Deployment
- End-to-end testing with Jest
- Programming Foundations with JavaScript, HTML, and CSS

## ACHIEVEMENTS



#### Transfer into Computer Science

Completed a competitive transfer from Honours Mathematics



#### Social Impact Fund Pitch Competition

Won \$2500 to help grow iContribute



#### University of Waterloo President's Scholarship

Recipient of a \$2000 scholarship

## SKILLS

JavaScript/TypeScript

SQL

HTML/CSS

Python

C/C++

ReactJS

AngularJS

NodeJS

ExpressJS

Jest

Cypress.io

Bash

Git

Heroku

Agile

## PROJECTS

### Flock

#### NodeJS, ExpressJS, TensorflowJS

- Developed a mobile app to detect geese in images and track their location
- Built the server using Express and Node to accept image submissions and return analysis results
- Trained and implemented the object detection model using Tensorflow and Azure Custom Vision

### FactCheck

#### ReactJS, NodeJS, ExpressJS

- Designed a chrome extension to fact check tweets
- Built out the user interface and integrated with Twitter's API to fetch tweets

### Spotify Sentences

#### JavaScript, HTML, CSS

- Created a web-app to generate playlists that form a sentence from the song names
- Used a dynamic programming algorithm to increase the program's success rate