

# MALCOLM WRIGHT

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## EDUCATION

### Bachelor of Computing (Co-op) - University of Guelph

09/2019 - 04/2024 (Expected)

Major in Computer Science, Minor in Business

Guelph, ON

- **GPA:** 3.8/4.0 cumulative (88.34% overall)
- **Dean's List** 2019-2022
- **Teaching Assistant** for CIS 1500: Introduction to Programming for Fall 2020 semester
- **Extracurriculars:** Caribbean Culture Club, Guelph Black Student Association, Intermural Basketball

## TECHNICAL SKILLS

<b>Languages:</b>	Java, Kotlin, C, C#, HTML/CSS, JavaScript, Python, PHP, SQL
<b>Frameworks/Libraries:</b>	Bootstrap, Vue.js, .NET, Node.js, Express, Espresso, Jest, Firebase, React, Flask
<b>Tools:</b>	Git, Android Studio, Gradle, Docker, Azure, Power BI, Figma

## WORK EXPERIENCE

### Microsoft

May 2022 - Aug 2022

Software Engineer Intern

Redmond, WA

- Researched and implemented a **dockerized reverse proxy** within an **Azure** virtual machine, allowing for requests to be distributed to the correct service based on the request format.
- Leveraged **Redis** as a provider of dynamic configuration, providing configuration for routers, services, and middlewares to the reverse proxy.
- Created a **Grafana** metrics dashboard for observability, enabling the team to see real-time traffic visuals on all requests that hit the reverse proxy.

### Tulip Retail

Sept 2021 - Dec 2021

Software Developer Intern

Toronto, ON

- Created custom hooks along with **Jest unit tests** for the web chat widget, giving clients the ability to track specific conversation metrics.
- Increased keyboard accessibility by **165%** using **JavaScript**, allowing the user to navigate the web chat widget entirely with the keyboard.
- Added ARIA content on UI elements for a **100% improvement** with screen reader accessibility.
- Contributed to the **PHP** back-end of the Tulip API, allowing conversations to be reassigned and for linked customers to be removed within the iOS LiveConnect app.

### Microsoft

May 2021 - Aug 2021

Explore Intern (Software Engineering + Program Management)

Redmond, WA

- Developed an actionable dashboard in Power BI to display unrecognized accounting value of gift cards and tokens up to **\$10 million USD**.
- Optimized, consolidated, and documented a financial record reprocessing tool in **C#**, resulting in a **50x speedup** by leveraging parallelization and streamlining the workflow.
- Gained experience working in both Software Engineering and Program Management disciplines throughout the internship in a pod of two other interns.

## PROJECTS

### Lawn Companion

Kotlin, Android Studio, SQL, Espresso, Figma, Firebase

- Developed an Android app using **Kotlin** and **OpenWeatherMap API** that suggests when to cut your lawn based on local weather forecast data and the timing of your previous cut.
- Released to the Google Play Store with **15+ installs**.

### NBA Trivia

Node.js, Vue.js, Express, JavaScript, Bootstrap

- Created a full-stack NBA trivia web app allowing users to test their knowledge of the NBA.
- Hosted on Heroku with the back-end utilizing **Node.js** and **Express** while the front-end uses **Vue.js** and **Bootstrap**.

## AWARDS

### Tim Hortons University Entrance Scholarship

August 2019

- Wrote an essay on 1 word that described Tim Hortons, and how it represents the Tim Hortons brand. **1 of 200** successful recipients in Canada.