

# GRACE GAO

⇄ [gracewgao.github.io](https://gracewgao.github.io)

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## EDUCATION

**University of Waterloo** | **Bachelor of Software Engineering; Combinatorics & Optimization Minor** 2020 – 2024

cGPA: 3.9/4.0

Alumni at Microsoft Scholarship in Engineering, Grace Hopper Scholar 2021, President Scholarship of Distinction

## EXPERIENCE

### **Bloomberg** | **Software Engineering Intern**

New York, NY ■ 05/2023 – Present

On the infrastructure team, I took the project's lead,  
Crafted a **Kafka** source connector with **Kotlin** and speed.  
Streaming **5k+ messages** per second's delight,  
From **RabbitMQ** to **Kafka**, day and night.  
**C++** endpoints and **Bloomberg Terminal** embrace,  
And an internal **TypeScript** and **Angular.js** web interface.  
Built, tested, deployed, to engineers' delight,  
**2,000+** witnessed this tech's might.

### **Faire** | **Security Backend Engineering Intern**

Toronto, ON ■ 09/2022 – 12/2022

I led a user-facing portal, with security as our theme,  
**Kotlin**, **TypeScript**, **Figma**, a full-stack dream.  
With the design, legal, and engineering teams' say,  
It was a launch of success, with **600k+** users today.  
As a data-driven sleuth, **30+** incidents I'd mend,  
Using **Kotlin**, **Snowflake**, **Mode** & **Datadog's** trend.  
Authored the engineering design of intranet's fate,  
With **Okta SSO**, **1.5k+ employees** we'd authenticate.

### **Faire** | **Frontend Engineering Intern**

Waterloo, ON ■ 01/2022 – 04/2022

For *Insider* and *Open with Faire* launches, we'd prepare  
**15+ core components**, created with care.  
**React.js** and **TypeScript** are our tools of the trade,  
Seen by **10k+ European retailers**, our efforts displayed.  
Optimized workflows are a developer's quest,  
I added **auto-rebasing** pull requests to give teams a rest.  
**GitHub Actions**, **Git**, **Bash** I'd employ,  
Used in **130+ pull requests**, bringing efficiency and joy.

### **TD Bank** | **Software Engineering Intern**

Remote ■ 05/2021 – 08/2021

With **Dart** and **Flutter**, a technical prototype took flight:  
A mobile app for small business banking insight!  
With **Firebase's** power, we made it gleam,  
Presented for **patent review**, a visionary dream.

## SKILLS

**Languages** | Kotlin, TypeScript, C/C++, Python, Java, SQL, Bash

**Spoken** | English, French, Chinese

**Tools & Technologies** | Git, Docker, React.js, Apache Kafka, RabbitMQ, Android, Node.js, AWS, Figma

## LEADERSHIP

### **Hack the North** | **Organizer**

03/2021 – 10/2022

In **2021 (Design)**, creative branding was my visual treat  
To **3k+ hackers** at the world's biggest hacking retreat.  
**2022 (Logistics)** brought my **6-month roadmap** to thrive,  
**150 mentors** and **1k+ hackers** to keep our mission alive.

### **Spotify x SET.Hacks() Event Website** | **Project Lead**

07/2021 – 08/2021

Led a **team of 5** on a creative quest,  
**Figma**, **Next.js**, **Typescript**, **Vercel**; we did our best.  
To build and deploy a **Spotify-sponsored** event site,  
For **1.5k+ visitors**, our vision shining bright.