

< Omar Garcia Flores />

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in omar-garciaf

/ work experience

Royal Bank of Canada

Software Developer Intern

09/2019 - 12/2019

- > Implemented a **first of its kind automated documentation** process of RBC's **entire online banking infrastructure** using a **Neo4J graph database** and visualized using **Neovis.js saving hundreds of hours and resources** writing documentation.
- > Built the infrastructure graph database by **scraping hundreds of GitHub repositories** using the **GitHub API** and establishing relationships with this data. Containing **thousands of entries** covering every single application widget, SPA, endpoint, and apigee product across the entire OMNI channel platform.
- > Developed and tested new features for the **online banking platform** of Canada's largest bank **used by 5M+ users monthly**.

Deloitte Digital

Software Developer Intern, BTA

05/2019 - 08/2019

- > Worked as a front end **developer** and **designer** of the **EmotionPlus** team under the direction of Jeff Lui, Director of AI.
- > Designed and developed **four real time data visualization dashboards** using **Figma**, **React**, **D3.js**, **websockets**, and **interactive SVG** to display emotional analysis data for the project's clients and product showcases such as the True North Conference.
- > Helped develop the UI of the project by **building reusable components** using **Semantic UI** and **React Redux**.
- > Designed **branding** and **marketing** assets to be used in future releases of the project.

Faculty of Computer Science

Teaching Assistant

09/2018 - 04/2019

- > **Web Development I**. Chosen to be a Teaching Assistant **immediately after completing the course**. **Wrote tutorials** to introduce new topics to the class such as **Git** and the **software development cycle**. Hosted assignment workshops, office hours, and graded assignments.
- > **Discrete Mathematics I**. Facilitated tutorials, graded assignments and held office hours.

/ education

Carleton University

Bachelors of Computer Science, Honours

09/2017 - 06/2021

/ extracurriculars

cuHacking

Design Lead

07/2019 - 01/2020

- > Leading a team of designers working on branding and design for the hackathon.

Toronto Mendelssohn Choir

Tenor

09/2019 - 12/2019

- > Singer in the Grammy nominated and most distinguished choral ensemble in Canada.

Regent Park School of Music

Volunteer, Guitar Teaching Assistant

09/2019 - 12/2019

- > Helping newcomers to the world of music learn guitar.

/ ask me about

> Smart architecture documentation

OMNI Channel RBC

Automated documentation of the online banking platform by creating a **graph database** with **Neo4j** and **Neovis.js**.

> Data visualization

EmotionPlus

React meets data visualization with **data oriented SVG** and **D3.js**.

> Outstanding TA Nomination

Carleton University &
Faculty of Computer Science

Nominations earned as TA of Web Development **one term after completion of the class**.

> Finalist

cuHacking 2018

Top 5 teams with the project QuickMath. Solving hand written math using the Wolfram Alpha API.

> Unsplash

Photography

Account with 2.8+ M views and 19+ K downloads.

One of my pictures was **published as the cover the book** "The Caine Prize of African Writing, Shortlist."