

< Omar Garcia Flores />

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in omar-garciaf

/ work experience

Royal Bank of Canada

Software Developer Intern

09/2019 - 12/2019

- > Implemented an automated documentation system of RBC's entire online banking infrastructure using a [Neo4J graph database](#) and [Neovis.js](#) saving hundreds of developer hours and tens of thousands of dollars writing documentation.
- > Built the relational graph database for the documentation project by [scraping 700+ GitHub repositories](#) using the [GitHub API](#) and establishing relationships with this data. The database contains [2,000+ data entries](#) covering every single application widget, SPA, endpoint, and API across the entire OMNI channel platform.
- > Developed and tested the Bill Payment Cancellation feature and Advisor facing apps for one of Canada's largest online banking platforms [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 - 06/2022

/ 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 RBC's 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](#).

> Hackathon Finalist

cuHacking 2018

[Top 5 teams](#) with the project QuickMath. Solving hand written math using the Wolfram Alpha API.

> Thaïs Opera Recording

Chandos Records

Singer in the recording of this classic opera album with the [Toronto Symphony Orchestra](#) directed by Sir Andrew Davis.

> 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."