

# Michael DeMarco

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## SKILLS

Node • React • JS/TS  
Python • Flask • Java  
Azure • GCP • SQL  
Docker • Git • Agile

## EDUCATION

### The University of British Columbia

Vancouver, BC  
B.Sc. Computer Science  
and Mathematics  
Graduating May 2023  
GPA: 4.0 (89.2%)

### Undergraduate

#### Teaching Assistant

- Led lab section for intro functional programming course as a first-year student (4hr/week)

### McNally High School

Edmonton, AB  
IB Diploma, 41/45  
Alberta Ed., 98%

## AWARDS

UBC Djavod Mowafaghian  
Presidential Scholar  
(Entrance Award)

Sep 2019

Valedictorian

May 2019

TD Award of Merit

Mar 2019

Loran Finalist

Jan 2019

## EXPERIENCE

### Backend Developer, Code the Change Foundation

Vancouver, British Columbia — Aug 2019 to present || [GitHub](#) || [Site](#)

- Developed a web application for a local non-profit to manage network of 1000+ volunteers along with a team of five other upper year students.
- Created RESTful API using **Azure** functions and **Node**, built **React** components, wrote queries for **MSSQL** database, conducted code review, and created documentation to transfer completed project to client.

### Registrar and CTO, SUNIA (model United Nations summer camp)

Edmonton, Alberta — Jan 2017 to present || [GitHub](#) || [Site](#)

- Utilized **TypeScript** and **Python** to create system for contacting and sorting 150+ registrants, saving 100+ hours of work annually.
- Delivered educational content related to international affairs and the UN's sustainable development goals.

### Program Coordinator, Metro Continuing Education

Edmonton, Alberta — July 2017 to July 2019

- Ran week-long camps teaching children aged 8 to 11 programming basics in **C#** through a Unity library.

## PROJECTS

### RapViz, Full Stack Developer (Caltech's Hackathon Finalist)

Pasadena, California — Mar 2020 || [GitHub](#) || [Devpost](#) || [Project URL](#)

- Developed web application to visualize rhyme schemes in song lyrics or poems. Developed **React** frontend, rhyme analysis algorithm, **Flask** RESTful API, Spotify API integration, and deployed to **GCP** within 36 hours.

### Best Buy AR Pro, Android App Developer (BizHacks 2020 2nd Place)

Vancouver, British Columbia — Jan 2020 || [GitHub](#) || [Devpost](#) || [Project URL](#)

- As part of a team of two, created minified Best Buy **Android** app clone and extended functionality to include **AR** feature to allow users to 'see' Best Buy products in their own living room, to exact dimensions.

## ACTIVITIES

- **The C.O.D.E Initiative**—Program Volunteer

- **Science Undergrad Society**—First Year Committee

- **Phi Gamma Delta**—Scholarship Chair