Michael DeMarco

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SKILLS

Node • React • JS/TS
Python • Java • R • Racket
Azure • AWS • Docker
Git • Jira • Agile • SQL
Learning: Golang, WASM

EDUCATION

The University of British Columbia
Vancouver, BC
B.Sc. Computer Science
Graduating May 2023
GPA: 4.0 (93%)

ACTIVITIES

The C.O.D.E Initiative
Program Volunteer

Science Undergrad Society
First Year Committee

Phi Gamma Delta
Scholarship Chair

weNote (Homepage)
CEO & Co-Founder

AWARDS

UBC Djavad Mowafaghian
Presidential Scholar
                         Sep 2019
Valedictorian
                         May 2019
TD Award of Merit
                         Mar 2019
Loran Finalist
                         Jan 2019

EXPERIENCE

Software Engineer Intern, *Artesian Software (start-up in Calgary, AB)*
Calgary, Alberta—Feb 2020 to present || Site || Project || Blog
• Implemented **Node** services to process customer transactions via the Stripe API, manage user survey data, and interface with **PostgreSQL** database. Created and styled frontend using **React** and **CSS modules**.
• Wrote unit tests using **Mocha** and **Chai** to mock API endpoints.

Undergraduate Teaching Assistant, *The University of British Columbia*
Vancouver, BC—Jan 2020 to present || GitHub
• Conducted labs, graded assessments, developed course readings, and communicated student needs to professor. Ran a project group with 15 students, guiding them from proposal to completion.
• Taught introductory computer science courses based in **Racket** (2019W) and **Python** (2020S); moving to a data science course (2020W) done with **R**.

Registrar and CTO, *SUNIA (model United Nations summer camp)*
Edmonton, Alberta—Jan 2017 to present || Site || GitHub
• 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.

PROJECTS

Volunteer Tracker Web App, Backend Developer (Code the Change)
Vancouver, British Columbia—Jan 2020 || Site || GitHub
• 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.
• Created documentation to transfer completed project to client.

RapViz, Full Stack Developer (Caltech's Hackathon Finalist)
Pasadena, California—Mar 2020 || Site || GitHub || Blog
• Developed web application to visualize rhyme schemes in song lyrics.
• Implemented **React** frontend, rhyme analysis algorithm, **Flask** RESTful API, and Spotify API integration within 36 hours. Deployed project on **GCP**.