Eric Newton

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Enthusiastic University of British Columbia graduate with a Bachelor of Science in Computer Science and Mathematics minor. Proficient in Angular, Javascript, and Python. Built multiple web applications for various organizations as a web developer.

Skills

Angular | JavaScript | TypeScript | Java | Python | React | MySQL | HTML/CSS | Git | Firebase | Node

Education

University of British Columbia, Vancouver BC, September 2017 - May 2021
    B.Sc, Computer Science, Minor in Mathematics

Langara College, Vancouver BC, May 2016 - September 2017
    AS, Microbiology

Work Experience

BCEdAccess Society Victoria, BC   August 2020 - Present
Website and Database Coordinator
- Developed a custom CMS using Angular to deliver a fast and accessible framework for a content-centric website
- Designed a web application using Angular and PostGres to deliver custom template emails to BC MLAs automatically, currently being used by several organizations and has delivered thousands of emails

UBC Department of Computer Science Vancouver, BC   September 2018 - Present
Teaching Assistant
- Independently lead classes of 30-40 students through course material in software construction
- Individually directed students through their own personal projects written in Java and tested with JUnit
- Evaluated with a 4.5/5 on student feedback

UBC Department of Medicine Vancouver, BC   January 2019 - September 2019
Bioinformatics Research Assistant Co-op
- Initiated the development of a MySQL database pipeline using Python to analyze and store over 5000 patient Hepatitis C DNA sequences.
- Developed an application that identifies the genotype and mutations within a Hepatitis C sequence in under a second and was displayed at the AASLD conference in 2019
- Lead a project that allowed for the easy alignment, analyzation, and cutting of DNA Sequence data for researchers to narrow down their research which led to the discovery of a frequent mistake in clinical genotyping