

Abenezer Sewagegn Chane

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University of British Columbia, Vancouver, Canada
Bachelor of Science in Computer Science and Physics

September 2017 - Dec 2021

Relevant Coursework

- Software Construction (Java), Introduction to Software Engineering (TypeScript), Computer Hardware and Operating Systems
- Basic Algorithms and Data Structures (C++), Intermediate Algorithm Design and Analysis,
- Computational Optimization (Julia), Numerical Computation for Algebraic Problems (MATLAB), Introduction to Computer Systems

Languages and Frameworks

- Python, Java, C++, HTML5, CSS,
- Racket, MySQL, Django, Julia, MATLAB

RELATED PROJECTS AND EXPERIENCE

Kimetrica International Limited, Addis Ababa, Ethiopia
Data Analysis and Visualization Intern

June 2019 – August 2019

- Updated the technical documentation for the data hub of a web-based information management system used by food insecurity analysts in 28 countries
- Manipulated and analyzed an existing database of field survey reports about levels of food insecurity which was used in humanitarian intervention in northern Ethiopia
- Created user-friendly visualizations of computed level of food insecurity to help NGO managers make resource allocation decisions

InsightUBC

Fall 2021

- Built a query engine and web interface that lets users query about courses offered at UBC to make registration decisions
- Wrote Mocha and Chai tests based on given project specification and implemented rest endpoints using Restify framework to handle query requests

Gym Booking System

Fall 2021

- Built a database system that enables clients to book gym time slots and access their account profiles. Implemented functionality for gym employees to easily manage booking data
- Implemented SQL queries using Oracle DBMS and built the user interface using PHP which simplified booking a gym session

ADDITIONAL EXPERIENCE & ACTIVITIES

University of British Columbia, Vancouver, Canada
Physics Department Tutorial and Lab TA, AMS Tutor

January 2020– December 2021

- Supervised and provided support during wave and energy experiments lab that enhanced students' data analysis skills
- Cultivated critical thinking and problem-solving skills by leading tutorial sessions for 30 students and providing personalized feedback

Storybooks Canada, Vancouver, Canada

February 2018 – April 2018

Translator and Narrator

- Translated children's stories in English to Amharic and proofread translations. Recorded the stories at UBC studios
- Updated the story books Canada website with the Amharic content which increased the number of illustrated stories available for kids in Ethiopia

University of British Columbia, Vancouver, Canada
Orientation Leader at UBC Jumpstart

August 2019 – September 2019

- Led a group of 25 first-year students in a week-long introduction to campus resources and helped them transition to university