

VICHARA N. WIJETUNGA

✉ vnwijetu@uwaterloo.ca
github.com/nimwijetunga
nim-portfolio.com
in linkedin.com/in/vichara-w

SKILLS

Languages

- Java // Python
- C // C++
- NoSQL
- Mustache // LESS
- JavaScript
- PHP

Frameworks/Tools

- Unix // Linux
- Git // Bash
- REST // Ajax
- Node // React
- JQuery
- Google AMP

ACTIVITIES

WATonomous - Design Team

- Working in a team of 3 students to develop a User Interface for a self driving car, using C++ and QT Creator

Dragon Boating Team

- Member of Waterloo's Dragon Boating Team

Software Engineering

Representative

- Represent Waterloo's Software Engineering Program at Campus Events and Fall/Spring Open Houses

PROGRAMMING PROJECTS

CRYPTO-CONSENSUS

Hack the Valley 2 | Node & Express

Web App to Predict Cryptocurrency Prices

- Created a Reddit web-crawler to extract text from relevant cryptocurrency threads
- Used Azure API's (sentiment analysis) to analyze text and assign a weighted score to a specified Cryptocurrency

INFINITY

Personal Project | Java

2-D Arena Style Game Explored OOP features such as Classes, Inheritance, Encapsulation and Abstraction Responsible for Entities and Weapons Packages (16 Classes)

PRESENT-EASY

Personal Project | Node & HTML/CSS

Web App to provide images based on the sentiment of user inputted text

- Used MeaningCloud's sentiment analysis API to generate a score for text (sentiment + confidence)
- Converted score to keywords, which were fed into a Google search API to find relevant images
- Frontend Client developed using JQuery, HTML and Bootstrap

EXPERIENCE

● **May 2018 - Sep 2018**

The Weather Network

Software Developer - Web, Oakville ON

Front-end development:

- Using Chart.js to build 14-day weather graph
- Implementing Google AMP on mobile forecast pages

Back-end Development

- Creating server endpoints to provide fourteen-day forecast data (PHP)
- Introduced data-aliasing for server data to reduce AJAX call time in the frontend

Testing

- Writing front-end JS unit tests using Jasmine
- Writing back-end unit tests using PHPUnit
- Writing API tests using mocha and chai

EDUCATION

● UNIVERSITY OF WATERLOO

Software Engineering (BSE), Class of 2022 | Sep 2017 - Present

3.90/4.00 GPA (86.71% Year 1 Average)

- 1B Term Dean's Honours List