Vichara Nimnaka Wijetunga

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PROGRAMMING SKILLS

- **Languages**: Java, Javascript, C/C++, PHP, SQL, Python
- **Technologies**: NodeJS, ExpressJS, Git/Bash, REST, JQuery, HTML, CSS, Firebase, NoSQL, UNIX/Linux

EXPERIENCE

- **The Weather Network** — Oakville, ON
  Software Developer, Web — *May 2018 - August 2018*
  - **Frontend**: Created a Fourteen-day trend chart using Chart.js (desktop) ⚲. Implemented AMP (Google's Accelerated Mobile Pages), reducing forecast page load times by 1.5s (mobile) ⚲.
  - **Backend**: Worked with the CodeIgniter Framework for PHP, implementing the MVC design pattern. Introduced data aliasing for PHP endpoints reducing API request time by 0.5s (client side). Created a REST API endpoint for displaying news articles provided by editorial staff (through our CMS: SDL Tridion).
  - **Testing**: Frequently employed TDD methodologies by designing unit tests before writing production code. Used Jasmine, Mocha and Puppeteer for frontend tests and PHPUnit for backend testing.
  - Worked in an Agile team (Scrum methodology), alongside QA, Product Managers and fellow Developers. Demoed sprint items to external stakeholders on a bi-weekly basis.

PROJECTS

- **PresentEasy** ⓞ
  Personal Project
  - **Description**: Analyze the sentiment of user inputted text and find relevant images (useful for presentations)
  - **Technologies**: Node server for API requests, Firebase database (Accounts), JQuery/Bootstrap (Frontend)

- **CryptoConsensus** ⓞ
  Hack the Valley Runner-Up: Best use of Azure
  - **Description**: Crawls Reddit for posts related to a crypto-currency and returns the "publics' " opinion of the coin
  - **Technologies**: Node application for Reddit Crawling, Express Server, Azure sentiment analysis training

- **Infinity** ⓞ
  Personal Project
  - **Description**: 2-D platformer where the player faces rounds of enemies and can purchase/equip armour items
  - **Technologies**: Java application. Explores OOP concepts like classes, abstraction, inheritance and enums/interfaces

- **Study Space** ⓞ
  Ryerson Hacks Project
  - **Description**: An app that allows users to find empty class/lecture rooms that are closest to them at the University of Waterloo
  - **Technologies**: Android application. Used Android Async Client to read UW Open Data and Google Maps API's. Stored and queried data from a SQLite database.

EDUCATION

- **University of Waterloo** — Waterloo, ON
  Bachelor of Software Engineering; GPA: 3.86 — *Sep. 2017 – Present*
  - Term Dean's Honours List

EXTRACURRICULAR ACTIVITIES

- **Dragon Boating Team**: Part of the recreational dragon boating team at the University of Waterloo
- **Software Engineering Representative**: Represent Waterloo's Software Engineering program at campus events