






Vichara Nimnaka Wijetunga

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EDUCATION

- **University of Waterloo** Waterloo, ON
 - *Bachelor of Software Engineering; GPA: 3.86* Sep. 2017– Present
 - 1B Term Dean's Honours List

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 a [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, leading scrum meetings once per week. 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.

PROGRAMMING SKILLS

- **Languages:** Java, Javascript, C/C++, PHP, SQL, Python
- **Technologies:** NodeJS, ExpressJS, Git/Bash, REST, JQuery, Mustache, Less, Firebase, NoSQL, Mocha, Jasmine, PHPUnit, UNIX/Linux

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