





# Ganashsai Vannithamby

University of Waterloo: Computer Engineering 2B

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## Skills

**Languages:** JavaScript, C#, Python, C++, SQL, Java, RISC-V

**Tools:** Node.js, Backbone.js, AngularJS, ASP.NET, Django, Entity Framework, Mocha, Chai

## Work Experience

**Software Developer Intern | Hubdoc Inc.**

**May - Aug 2019**

- Upgraded and maintained Node.js web scrapers that retrieve documents using Nightmare.js, increasing the amount of documents grabbed and the success rate by 35%
- Enhanced file type handling in an internal tool by leveraging the aws-cli module to fetch documents from an S3 bucket and display it on a Backbone.js web app
- Added functionality to run multiple webscrapers on a single page cutting time required to test by at least half for a company hackathon, currently being implemented into production.

**Software Developer Intern | Thomson Reuters**

**Sept - Dec 2018**

- Created and refactored new components of a web application to use AngularJS best practices
- Developed an audit history page that allows users to filter their history and import it as an Excel file
- Upgraded an automatic documentation generator XSLT to handle all possible xml tags

**QA/Software Engineer Intern | Health Canada**

**Jan - Apr 2018**

- Created a fully responsive intranet based documentation website for a C# Word Add-in
- Made UI more responsive by using WPF tools to allow functionality across different platforms
- Found bugs and suggested fixes for issues ranging from SQL injection to thread synchronization

## Projects

**OCRa | Android app to compare prices based on price tag images**

**Aug 2019**

- Compares the price on a price tag with other stores to see if the user could save money elsewhere
- Created the web scrapers to scrape a handful of sources and hosted it on an EC2 instance

**MeetBot | Slack bot to help organize events**

**Aug 2018**

- Made a slack bot that declutters Slack channels by moving event planning to a separate channel
- Used callbacks in order to make the bot respond to commands asynchronously

**WatFood | Map of WatCard accepting establishments**

**Nov 2017**

- Displayed locations around Waterloo that accept WatCard as a form of payment
- Utilized the Google Maps API to display a map with markers on an AngularJS webapp

## Education

**University of Waterloo | Computer Engineering**

**2017 - 2022 (Expected)**

- Candidate for BAsC. in Computer Engineering