

# DONG HU

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Toronto, ON

## EXPERIENCE

### Software Developer

#### ApplyBoard

08/2017 - Ongoing Kitchener, ON

- Increased developer productivity by building **RESTful APIs** following **JSON:API** standards and documenting with **SwaggerUI**
- Automated interaction with school portals and PDFs expediting internal processes related to submitting, processing and verifying documents by creating a **Google Chrome extension** written in **JavaScript** and **jQuery**
- Migrated legacy monolithic web-application built with **Ruby on Rails** into single page **microservices** utilizing **React** increasing efficiency of development and deployment while enabling separation of business concerns into user personas
- Stabilized **backend payment infrastructure** and frontend interfaces to scale with increasing **micro-transactions**, promotions, applications and user engagement

### Fellow

#### MyPlanet

08/2017 - 09/2017 Toronto, ON

- Spearheaded design of real-time twitter feed prototype app built with **React** and **MongoDB** along with **Watson** to analyze social media engagement for Girl Guides of Canada

### Research Assistant

#### University of Waterloo - School of Pharmacy

01/2016 - 04/2017 Kitchener, ON

- Investigated pharmacist interventions to reduce polypharmacy and high risk medication use among frail elderly in primary care.
- Conducted qualitative coding of interview data utilizing **NVivo data analysis software** resulting in end of the term poster presentation
- Streamlined data entry and abstraction of medical records for over 1000 patients by creating a **Microsoft Access (DBMS)** database to replace current PS Suite EMR limiting predicted year long retrospective data collection to a month

## EDUCATION

### Web Development

#### Lighthouse Labs

05/2017 - 06/2017

### Bachelor of Science, Kinesiology

#### University of Waterloo

09/2012 - 04/2017

- Minor in Pre-Health Professions

## TECHNICAL SKILLS

**Languages:** JavaScript (ES5, ES6), TypeScript, Ruby, Python, SQL, HTML/CSS, PHP

**Frameworks & Tools:** Ruby on Rails, NodeJS, ExpressJS, Google Chrome Extensions, Flask, MySQL, PostgreSQL, MongoDB, Heroku, Git, Docker, Kubernetes, Jest, Enzyme, Postman, Cypress, AWS S3, AWS ECS, AWS ECR

**Libraries:** React, Redux, VueJS, Kafka, ZooKeeper, Bootstrap, jQuery, BeautifulSoup, Selenium, Cucumber

## PROJECTS

### Social Media Analyzer for Girl Guides Canada

[https://github.com/chaodonghu/myplanet\\_girlguidescanada](https://github.com/chaodonghu/myplanet_girlguidescanada)

- Developed a **React** web application with **Node.js**, **MongoDB**, **Twitter API** and **Watson Tone Analyzer API** to analyze sentiment (joy, fear, sadness, disgust, anger) of tweets related to Girl Guides Canada
- Identified key words, tags and twitter handles of interest to client

### Itineroo

<https://itineroo.herokuapp.com/>

- Created a travel planning application with **React** and **PostgreSQL** to enable users to collaborate on a desired itinerary utilizing **Google Places API** and displaying results with the **Google Maps API**

### Bon Appetit

<https://bon-appetit-food-app.herokuapp.com/>

- Constructed a food pick-up ordering app that updates order status to users via text message or voice-call utilizing **Twilio API**

### TinyURL Clone

<https://tiny-url-app.herokuapp.com/>

- Built TinyURL clone in **NodeJS** and **ExpressJS** allowing users to shorten long URLs