# SAMUEL SAN

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## EXPERIENCE

### Hubdoc | Software Engineer Intern

Jan - Present | Toronto, Canada

- *Creating web scraping robots with a **97%** reliability rate in **Node.js** to automatically fetch financial documents thousands of times daily*
- *Refactoring existing integrations with **Nightmare.js** to improve performance by up to **10x***
- *Building scripts (Javascript) to routinely extract metadata daily from invoices and bills*

### GatewayiQ | Full-Stack Web Developer Intern

May - August 2016 | Cambridge, Canada

- *Developed with **PHP** in **Laravel** for a new enterprise software release*
- *Optimized subscription billing system by reducing frequency of server workloads, lowering server costs by **20%***
- *Implemented online payments (Braintree) and its database schema*
- *Contributed to **open source** framework Laravel:*
  - *Fixed routing error for external API SDK calls to Service Providers*
  - *Updated documentation to include missing features in source code*

## PROJECTS

### Trip Booster | Java, Android, Google Maps API | Feb 2017

- *Android mobile app that reroutes your original trip from points A to B to visit places of interests along the way*
- *First place **winner** at CodeFest Hackathon 2017*

### Gify | JavaScript, jQuery, Node.js, PubNub, Giphy, NLP | Jan 2017

- ***Natural language processing** chat bot that replies in Gifs*
- *Trained language chat bot to improve accuracy of speech to text conversion*

### Mint Tree | JavaScript, Angular 2, Firebase, Intuit Mint | Nov 2016

- *Interactive tree with falling leaves to help students manage their budget*
- *Animated owl expresses different emotions based on your spending*
- *Top 3 hack **winner** for Intuit's API at Yale Hacks*

### Sous-Chef | MEAN, Amazon AWS + Alexa, Firebase | Feb 2016

- ***Voice-activated** personal kitchen assistant built on Amazon Alexa*
- *Capable of handling questions about recipes and ingredients*

### More Projects | visit *samuelsan.github.io*

## SKILLS

**Languages:**
*C++, C, JavaScript, PHP, Ruby Python, Java, Octave*

**Frameworks and Platforms:**
*Node.js, Rails, Laravel, Angular 2, Android, iOS*

**Databases:**
*PostgreSQL, SQLite, Neo4j, Firebase*

**Interests:**
*Badminton, Violin, Artificial Intelligence*

## Awards

**CodeFest Hackathon (2017)**
*First Place and Grand Prize of $1000*

**Waterloo Winter EngHack (2017)**
*Top 10 Hacks Overall*

**Yale Hacks (2016)**
*Top 3 Hacks for Intuit's API*

**Shad Valley Engineering Entrance Scholarship (2015)**
*Shad Valley & University of Waterloo*

**2x Winner Nat'l Writing Contest**
*English and French*

**ARCT Piano Diploma**

## LEADERSHIP

**Waterloo Spring EngHack (2017)**
*Director of UWaterloo's Hackathon*

## EDUCATION

**University of Waterloo**
*Software Engineering (2015-2020)*

**Stanford University**
*Coursera: Machine Learning (2016)*

**Lighthouse Labs:**
*Web Development Bootcamp (2015)*