



# Ryan Perry-Nguyen

Software Developer / 4A Computer Engineering Student



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## </> TECHNICAL SKILLS

### Confident With

- > Java
- > Javascript
- > Node.js
- > Git
- > Vim

### Comfortable With

- > MongoDB
- > Android
- > Less / CSS
- > ExpressJS
- > StrongLoop
- > GulpJS
- > Ruby / Rails

### Familiar With

- > Python
- > SQL
- > SQLite
- > Linux
- > iOS / Objective C
- > C



## EXPERIENCE

Sept 2016

### NanoPay Inc (*Backend Web Developer*)

Dec 2016

Wrote an internal tool to scrape through MongoDB's internal datasets to recover user history information in order to investigate suspicious activity and suspected fraud. Helped design and implement a new system for instant back account verification. Architected a library in use by our backend services to aid with accessing data from separated microservices.

Jan 2016

### Pebble Technology (*Android / Developer Evangelist*)

Apr 2016

Helped lead the investigation to assess, compare, and select a heart rate monitor for the Pebble 2 and Pebble Time 2. Created the initial software prototype of the Pebble Core. Helped contribute to an educational coding book in partnership with a local University. Created and ran a workshop intended for a mixed audience of new and intermediate developers. Represented Pebble at Hack the Planet to foster relations with new and experienced Pebble Developers.

May 2015

### Pebble Technology (*Android Developer*)

Aug 2015

Continued App development tailored for use with the various different Pebble Smartwatches. Restructured 80%+ of unit tests to conform to a single style-guide with documentation. Completely re-implemented the analytics workflow within the app. Collaborated closely with the team lead as well as other developers, designers, product managers, and other technical/non-technical roles to deliver new features.

Sept 2014

### Desire2Learn (*Web Developer*)

Dec 2014

Helped deliver a new product to aid new clients become easily acquainted with D2L systems. Directly responsible for contributing to the front end portion of our brand new product which was written with HTML, LESS/CSS, JavaScript, and the AngularJS JavaScript framework. Worked directly with designers and clients to polish and iterate on the product.



## PERSONAL PROJECTS

### Uber Prepared

**Hack the Planet 2015**

UberPrepared is an offline texting bot that allows you to schedule Uber trips ahead of time. UberPrepared made use of Twilio's API to allow interaction with Uber's API without any internet. The server side of Uber Prepared was implemented using Node.js, ExpressJS, and MongoDB.

### ExploreTO

**Startup Weekend Toronto 2014**

ExploreTO was a web service created during Toronto's startup weekend. It was built using modern technologies such as Node.js, ExpressJS, MongoDB, HTML, CSS and AngularS. ExploreTO was a collaborative project with several non techs, designers, and other developers.

### Pixel Perfect Piece of Pizza Bot

**Kik Hackathon 2015**

Pixel Perfect Piece of Pizza Bot is an automated AI robot you can talk to make your pizza order. Messages were intelligently parsed to keep dialog between the bot and user as natural as possible. Created using Node.js, ExpressJS, HTML, LESS, AngularJS and GulpJS.

### Secret Santa Matcher

**December 2014**

A website to make it easy to see who had whom for a certain secret Santa event. Used Facebook's API to extract information from an event and show profile photos for a user's match. Created with HTML, LESS, AngularJS, GulpJS, Node.js, ExpressJS and

### YoDoorbell

**YHack 2014**

Using a Tessel microcontroller we created a doorbell capable of taking pictures and recording the temperature right outside your door. The information was sent to a registered user via YO's API in conjunction with our Node.js and ExpressJS backend.

### CarpUWL

**HackWaterloo 2014**

CarpUWL is an Android app, designed to make it easy for students to schedule carpooling from and to cities. CarpUWL was made for Android using the Eclipse IDE. Its backend services were written in PHP.



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## AWARDS AND ACHIEVEMENTS

### **1<sup>st</sup> Place Winner – Kik Hackathon**

Project: Pixel Perfect Piece of Pizza Bot

Awarded to the best project created during Kik's hackathon, hosted in partnership with Hack the North and the University of Waterloo. Included \$500 per group member towards any cool tech currently on the market.

### **Engineering Society Award**

Project: carpUWL

Received the award at HackWaterloo; the criteria for this award included being the best project with a team with a majority of engineers.

### **The Doer Award**

Project: ExploreTO

Awarded to the project who the judges deemed to have worked the hardest. This award was won at Toronto's start-up weekend and included a year's worth of vitamin water.