

# Joey Pereira

 [xLegoz](#)

 <https://pereira.io>

 [joey@pereira.io](mailto:joey@pereira.io)

## Education

University of Waterloo, Candidate for Honours Bachelor of Computer Science, 2013 - 2018 (Expected)

- Awarded **Coop Student of the Year** in 2015. 3.85 GPA (85% average). Ambassador for School of Computer Science.

## Experience

**Stripe, Software Engineering Intern** (4 months)

January 2017 – April 2017

- Began work on a new product for Stripe with a small team, also contributing to financial and accounting infrastructure.
- Designed the API specification for the product, and worked directly with a customer to integrate the new product.
- Built complex reconciliation processes in Ruby and Go for interacting with partners, for possibly the coolest product ever.

**Hack the North (Techyon), Director** (2+ years)

February 2015 – Present

- Directed Hack the North for two years, Canada's biggest hackathon - with over 1000 hackers from 21 countries.
- Operating a nonprofit organization dedicated to empowering the tech entrepreneurs, running events at uWaterloo.
- Managing a team of 35 students who volunteer their time in order to plan and organize Waterloo's tech biggest event.
- Integrating software we've developed in order to optimize operations, help make the event a success, and track data.

**Shopify, Software Developer Intern** (4 months)

January 2016 – April 2016

- Developed solutions for large sized retailers and wholesale distributors, building several applications in Rails and React.
- Started and launched a Shopify app for wholesale, providing price management and an optimized customer experience.
- Built an infrastructure resiliency testing framework to describe infrastructure and test it. Inspired by Chaos Monkeys.

**PiiPoint, Lead Software Developer** (1 year)

September 2014 – September 2015

- An early stage startup in YCombinator which provides a location analytics to franchises for deciding where to open stores.
- Was solely responsible for creating the initial iOS application from scratch, benefiting customers with on the go analytics.
- Implemented creation of heatmaps of commute times, which involved routing algorithms and processing a 1TB geospatial dataset of the world's roads in C++. Used by all customers for optimal store regions and statistical analysis.
- Contributed to open source projects used by our team, most notably SQLAlchemy and Leaflet.js.

## Projects

**HackerAPI**

February 2015 – Present

- Software backing Hack the North, including a Python API, an internal dashboard in Flask, and user interfaces in React.
- Supporting integrations for Slack bots, Github, support email. On the API we've supported up to 1000 concurrent users.
- iOS and Android apps with event information, a mentorship pairing tool, and data tracking for food consumption.
- Working on a roadmap in order to extend and open source all of the tools built for Hack the North for other hackathons

**Wbot**

2013 – 2014

- A bot client for a popular online video game, Runescape, developed in Java. Involved reverse engineering of bytecode.
- Featured a robust scripting API, and implemented competitor APIs for compatibility. Peaked at 250,000 daily users.

**OneApp, devpost.com/software/oneapp**

June 2016

- 3rd place winner of Battle of the Hacks v3 held by Andreessen Horowitz.
- Created a working Google Instant Apps implementation on iOS, with a set of basic demo apps, imitating the Google demo.

**Moocast, devpost.com/software/moocast**

June 2015

- Winning project for the Battle of the Hacks v2 hackathon held by Andreessen Horowitz for \$25,000.
- Judged as best hack by industry leaders from Tilt, Airbnb, Yahoo, 21 Inc, a16z, the University of Cornell, and more.
- Live streams the screen of an Android device to a web page using Python, Node.JS and FFmpeg.

## Technical Skills

**Languages**

Python · Go · Ruby · Javascript · Java · Objective-C · C++ · Racket

**Frameworks**

React · Flask · Rails · Tornado · Angular.js · Django

**Datastores**

Redis · PostgreSQL · MongoDB