Joey Pereira
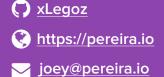
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🎓 Education

University of Waterloo, Candidate for Honours Bachelor of Computer Science, 2013 - 2018 (Expected)
- **Received** Coop Student of the Year award in 2015.

💼 Experience

Stripe, *Software Engineering Intern* *(4 months)*　　　　　　　　　　　　　　January 2017 – April 2017
- Beta launched a new product for Stripe with a very small team and contributed to financial infrastructure.
- Designed an API specification for the product and worked directly with a customer to integrate it.
- Built reconcilation processes for data with Ruby and Go. This now processes millions of transactions a day.

Shopify, *Developer Intern* *(4 months)*　　　　　　　　　　　　　　　　　　January 2016 – April 2016
- Developed solutions for large 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.

PiinPoint, *Lead Developer* *(1 year)*　　　　　　　　　　　　　　September 2014 – September 2015
- A YCombinator startup which provides a location analytics to businesses for deciding where to open stores.
- Was solely responsible for creating the initial iOS application, providing a mobile version of the platform.
- Built a commuting time heatmap generator, which involved processing and routing OpenStreetMaps, a 1TB geospatial dataset. This was all done in C++ and is a feature that was highly regarded by customers.
- Contributed to open source projects used by our team, most notably SQLAlchemy and Leaflet.js.

Hack the North (Techyon), *Co-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.

📖 Projects

HackerAPI　　　　　　　　　　　　　　　　　　　　　　　　　　　　　February 2015 – Present
- Software behind 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. The API has had up to 1000 users per minute.
- iOS and Android apps with event information, a mentorship pairing tool, and data tracking (e.g. food consumption).
- Working on a roadmap to open source all of the tools built by Hack the North for other hackathons.

OneApp, devpost.com/software/oneapp　　　　　　　　　　　　　　　　　　　　　June 2016
- 3rd place winner of Battle of the Hacks v3 hackathon held by Andreessen Horowitz.
- Created a working clone of Google Instant Apps implementation on iOS, successfully recreating the Google I/O demo.

Moocast, devpost.com/software/moocast　　　　　　　　　　　　　　　　　　　　　June 2015
- 1st place winner of 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 Twitch or a web page using Python, Node.JS and FFmpeg.

Wbot　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　2013 – 2014
- A bot client for a popular online video game, Runescape, developed in Java. Involved reverse engineering of bytecode.
- Reached 250,000 daily users. It featured a robust scripting API with compatibility against competing APIs.

⚙️ Technical Skills

Languages	Python · Go · Ruby · Javascript · Java · Objective-C · C++ · C · Racket
Frameworks	React · Flask · Rails · Tornado · Angular.js · Django
Datastores	Redis · PostgreSQL · MongoDB