Joey Pereira

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Experience

Shopify, *Developer* – Waterloo, Ontario   *(future)* Jan. 2016 – Apr. 2016
- Working with ecommerce software, using **React**, **GraphQL**, **Relay**, and **Electron**

PiinPoint, *Software Developer* – Waterloo, Ontario   Sep. 2014 – Sep. 2015
- Drove an early stage YC startup to have a larger feature set, more stable product and better practices
- Migrated certain data to from **MongoDB** to **PostgreSQL** using **SQLAlchemy**, wrote migrations using **Alembic**
- Rebuilt the frontend codebase with **React** and **Reflux**
- Implemented creation of drivetime heatmaps, by processing 700GB of geospatial data into **PostgreSQL**
- Created a framework in **PhantomJS** for rendering printable PDF content
- Was solely responsible for creating the **iOS** application from scratch in **Objective-C**
- Rebuilt most of the **Python** API to follow RESTful semantics and use **MongoDB** MongoEngine models

Hack the North (Techyon), *Organizer (Platform Team)*   Feb. 2015 – Present
- Organized Hack the North 2015, the most anticipated tech event in Canada with over 1500 attendees
- NPO with the ambition to create a stronger tech community in Waterloo, and Canada
- Developed a generalized hackathon organizing RESTful API service, independent of our event
- Set up service infrastructure, involving Docker, Nginx, Gunicorn, **Python + Tornado**, and **PostgreSQL**
- Created web interfaces for applications and internal dashboards, using **React** and **Reflux**

Projects

Kerbos, github.com/TranceSquid/kerbos-machine   Aug. 2015 - Present
- Secure chat platform, current initial product is a RESTful server implementation
- Implemented in **Python** + **Flask**, and **PostgreSQL** with goals to create a scalabable distributed service

TechTanks, techtanks.techretreat.ca, github.com/TechRetreat/RTanque   Aug. 2015
- A programming game where you code a tanks AI in **Ruby** to fight players
- Designed as an introduction to Ruby for a highschool hackathon TechRetreat, which was a great success

JoOS, github.com/xLegoz/JoOS   2014
- A rudimentary operating system, as a venture into learning low level programming and hardware interfacing
- Developed in **ASM** and **C**, compiling with a custom i516 target cross compiler

Education

Candidate for the Bachelor of Computer Science (Honours), *University of Waterloo* - Waterloo, Ontario   2013 - 2018
- Member of Math Endowment Fund Council, responsible for allocating budgets to clubs and organizations
- Ambassador for School of Computer Science, taken part in open house events

Technical Skills

Languages	Javascript, Python, Java, Ruby, Racket, Objective-C, Elixir, Bash, PHP, C++
Frameworks	React, Angular.js, Node.js, Flask, Tornado, Pyramid, Django, MongoEngine, SQLAlchemy
Databases	PostgreSQL, MongoDB, MySQL, RethinkDB