Joey Pereira

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Hey there! I am an extremely optimistic and passionate person, and I am always very enthusiastic at the opportunity to learn new technologies! My #1 trait is my optimism and passion towards all projects I take on, and because of this I quickly pick up new technologies.

Experience

Shopify, *Developer* – Waterloo, Ontario *(future)* Jan. 2016 – Apr. 2016

- Working on Shopify Plus ecommerce software, using **React**, **GraphQL**, **Relay**, and **Electron**

PiinPoint, *Lead Developer* – Waterloo, Ontario Sep. 2014 – Sep. 2015

- Was biggest contributor to PiinPoint's product and software engineering practices
- Passionately learned new technologies, and brought the projects from start to finish with complete optimism
- Rebuilt the frontend codebase with **React** and **Reflux** and designed map visualizations with Leaflet and D3
- Migrated datasets from **MongoDB** to **PostgreSQL** using **SQLAlchemy**, wrote migrations using **Alembic**
- Implemented creation of drivetime heatmaps, by processing *600GB* 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
- 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

JoOS, github.com/xLegoz/JoOS 2014

- A rudimentary operating system, as a venture into learning low level programming and hardware interfaces
- Developed in **ASM**, **C**, and compiled with a custom i516 target cross compiler

Moocast, http://devpost.com/software/moocast Jul. 2015

- Winning project for the Battle of the Hacks hackathon held by Andreessen Horowitz
- Live streams the screen of an **Android** device to a web page using **Python**, **NodeJS** and **ffmpeg**

rustygameboy, github.com/xLegoz/rustygameboy 2015 - Present

- A work in progress Gameboy emulator, developed in **Rust**

see 20+ more projects at http://pereira.io/projects

Education

Candidate for the Bachelor of Computer Science (Honours), *University of Waterloo* - Waterloo, Ontario 2013 - 2018

- Ambassador for School of Computer Science, previous Member of Math Endowment Fund Council

Technical Skills

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