

Larissa Feng

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Technical Skills

LANGUAGES

Python
Ruby
JavaScript
C/C++
BASH

FRAMEWORKS & PLATFORMS

Ruby On Rails
Sinatra
Django
Flask

DEVOPS

AWS Elastic Beanstalk
Google Cloud Platform
Jenkins
Docker
DNS
HTTPS

TOOLS

bash/zsh
Git
Mercurial

MISC

Google Chrome Extensions
Slack Integrations
Twilio API
IFTTT

Work Experience

WEALTHSIMPLE (May - Aug 2017)

Software Development Intern, UK

Dove into one of the few cross-functional teams at Wealthsimple to help the growing startup launch into their 3rd jurisdiction: the UK!

- Delivered on a variety of full-stack tasks critical to launch, including implementation of core features across 8+ microservices, automated support for Client Success operations, working with AWS SNS, SQS, and Elastic Beanstalk, and front-end polish.
- Independently conceived of and implemented an internal Slack integration that was immediately adopted as a company DevOps productivity tool.

FACEBOOK (Sept - Dec 2016)

Production Engineering Intern, Traffic

Working on one of the largest Traffic Infrastructure teams in the world, I independently built and iterated on a DNS DDoS attack mitigation pipeline.

- Designed and implemented streaming algorithm to analyze DNS logs, recognize an attack, and make decisions on how to respond in real-time.
- Created and integrated extra components to internal systems to allow for automated deployments of DNS configuration changes in response to DDoS.
- Contributed additional DDoS mitigation features to a well-known open-source recursive DNS server.

SHOPIFY (May - Aug 2016)

Software Development Intern, Shipping

I worked on the Shipping team, helping bring more postal carriers and a better shipping experience to merchants on the Shopify platform.

- Designed and implemented in-house Canada Post Rate Card system, decreasing shipping rate lookup time by over 100%.
- Executed on critical tasks for launch of the Canada Post integration to Shopify Shipping, which now helps streamline shipping and product delivery to over 21,000 merchants across Canada.

MICROSOFT (Jan - Apr 2016)

Software Engineering Intern, Garage

In a team of 4, I worked in an Agile environment to bring an Xbox One app through a full release cycle: design, implementation, testing, and submission.

- Lead the team in a hybrid Scrum Master/Product Owner role by assessing risk, removing blockers, and acting as the main point of contact for the project.
- Designed and implement a CMS in ASP.NET MVC, using C#, JavaScript, and Bootstrap, while interfacing with Azure SQL Server and Azure Blob Storage.

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Personal / Open Source / Hackathon

THE COLOUR PROJECT (2017 - Present)

CTO / Lead Developer

The Colour Project is a non-profit organization aiming to provide peer support for mental health challenges through an anonymous, text-based system. As CTO, my current duties include:

- Leading the ideation, architectural design, implementation, and testing of all technical aspects in coordination with other developers, the project designers, and our founders.
- Maintaining a robust and anonymous text-based peer-support system using Twilio, Django, and AWS SNS/SQS.
- Managing all system administration duties, including deployment to AWS, DNS and HTTPS, handling alarms and monitoring, and so on.

MUZIKTEXT (Apr 2016)

GitHub: NoaAvigad/MuzikText

Apache Cordova app that won Microsoft + Muzik's MuzikHack. Lets you listen to and respond to texts from your headphones.

- Implemented ability to respond to texts using the headphone microphone, hotkeys, and Muzik Cordova plugin.
- Developed intuitive UX for receiving, hearing, and sending off texts by using Text-To-Speech, Speech-To-Text, and swipe detection on the Muzik headphones.

INSTANT MUSIC DOWNLOADER (Oct 2015)

GitHub: yask123/Instant-Music-Downloader

Interactive Python tool that takes song lyrics and uses Beautiful Soup to find and download the relevant song from the internet.

- Implemented handling of command line arguments to allow for running the tool as a background process.
- Added functionality to handle common input flags: the tool now has a quiet mode, can turn off prompts, and accept a list or a file name.

Hobbies & Interests

Parkour - City-dwellers have on occasion reported sightings of me vaulting over park benches and cat-hanging off walls.

Street Dance - Hip Hop, Dancehall, Popping, and Locking in particular.

Music Production - I am currently learning how to use Ableton Live!

Recursive Humour - For an example of recursive humour, please refer to the bottom of this resume.