

Tony Tang

tonyt.me

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WORK EXPERIENCES

Snapsale, Oslo, Norway

September 2015 – December 2015

Software Engineer – Back End

- Resolved mission critical bug in machine learning backend caused by poor deployment infrastructure
- Reduced response time from 1000ms to 130ms by preloading the required files into memory
- Implemented Docker containers for machine learning backends in Google Container Engine
- Scaled backend instances by integrating Load Balancer and Auto Scaling in Google Compute Engine
- Integrated Jenkins into development cycle to automatically test code deployed to GitHub

Medallia, Palo Alto, California

May 2015 – August 2015

Software Engineer – Front End

- Developed an Express middleware to deliver multiple version of the same application, utilizing in-memory and file system level caching, creating APIs and standards for applications
- Designed a prototype using HTTP/2 and ES2015 modules to add modularity and file caching
- Introduced System.js and NPM to load modules in CommonJS, globals, and ES2015
- Innovated file access across all Git revisions by caching files with their hash for on demand access
- Replaced testing tools built in-house with industry standard frameworks Karma and Mocha

LyricFind, Toronto, Canada

September 2014 – December 2014

Software Developer – Full Stack

- Utilized Spring MVC to build Java web app to quickly search and modify music lyrics
- Reduced MySQL query time from 10s to 1s by reducing lazy loading queries into single query
- Implemented Data Access Objects, schema, data serializer for MySQL and Solr
- Practiced test driven development by designing test cases and writing unit tests before coding

CBC/Radio-Canada, Toronto, Canada

January 2014 – April 2014

Quality Assurance Analyst

- Configured software using virtual machines to cross test browser and platform compatibility
- Enhanced the scope of test cases to test location based services, connection speed, and mobile devices by creating new testing strategies and standards using web proxy Charles
- Reduced hours of tedious and repetitive tasks by writing automation tests in Unix commands

LANGUAGES AND TECHNOLOGIES

- JavaScript, Node.js, Java, Bash, SQL, Git, C++, PHP, Ruby, Scheme, Jekyll, Sass
- Nginx, Google Cloud Platform, Docker, Spring MVC, Ruby on Rails

PROJECTS (tonyt.me/github)

Facebook Group Categorization (2016) Researching and learning Natural Language Processing to perform categorization and feature extraction to organize Facebook posts

PayToPotty (Meteor.js hackathon winner, 2015) Web app combining the concept of Airbnb for washrooms to solve the problem of public urination in San Francisco, developed with a team in 24 hours

Personal Budgeting Tool (2014) Web app to keep track of personal spending based on the users input. Back ended by Ruby on Rails, and front end styled with Bourbon, Sass, and JavaScript

Tetris (2014) Tetris game using the popular rotation algorithms; written in Prototype-based JavaScript.

EDUCATION

Candidate for Bachelor of Computing and Financial Management

2017

University of Waterloo, *Waterloo, Canada*