

David Zhang

104-5250 Hastings St, Burnaby BC V5B 1R1
(778) 846-2449 · david.zhang@alumni.ubc.ca · dzhangd.github.io

EMPLOYMENT

Software Developer, Intern	Shopify	Jan 2017 – Present
-----------------------------------	----------------	---------------------------

- Worked as part of Online Store team to design and implement new features

Software Developer, Co-op	Hootsuite	Sep 2016 – Dec 2016
----------------------------------	------------------	----------------------------

- Established permission checking model for new microservice by adding dependencies, checks, and error classes
- Utilised new in-house tools to create testing framework for webhooks
- Developed scripts and workflow to migrate about 15 Scala libraries to new continuous integration build pipeline
- Designed, implemented and tested 4-5 REST API endpoints
- Wrote integration tests that validate communication and error handling between microservices

Software Developer, Co-op	WhatToZee	May 2016 – Aug 2016
----------------------------------	------------------	----------------------------

- Led design and implementation on new feature that lets users monetize their social media accounts
- Automated entry and retrieval of customer information to Salesforce
- Integrated Twilio into application to send internal text messages and alerts
- Completed original 2-month project in 3 weeks

PROJECTS

Task Management Application (Java, Oracle)	Jan – Apr 2016
---	-----------------------

Desktop Swing client that allows projects, tasks, and issues to be managed and assigned to team members

- Used JDBC API to write SQL queries for the Oracle database
- Used OOD in Java to model database entities, such as Project, Client, and Manager
- Designed database schema starting from high level diagrams and normalized using splitting techniques

Skoolr (Ruby on Rails)	Sep – Nov 2015
-------------------------------	-----------------------

Web app that displays detailed information about Vancouver high schools

- Fetched and parsed 5-7 data sources, including exam scores, satisfaction surveys, and high schools from Vancouver's Open Data Catalogue and DataBC
- Created RESTful API to display and allow searching of consolidated data
- Used Agile/Scrum methodology including 2 week sprints and daily standup meetings

Mind the Gap (Android)	Jul – Aug 2015
-------------------------------	-----------------------

Mobile app that shows the train routes and schedules of the complete London Underground

- Performed ETL of train data, including stations, lines, and arrivals from the TfL API
- Drew routes and stations using OpenStreetMaps and displayed train arrivals at each station
- Finished 1 week ahead of schedule

EDUCATION

Vancouver, BC	University of British Columbia	Sep 2013 – Present
----------------------	---------------------------------------	---------------------------

- BSc in Computer Science, anticipated graduation May 2018
- GPA: 93.7%
- Coursework: Algorithms; Operating Systems; Calculus III; Linear Algebra; Software Engineering; Databases

LANGUAGES AND TECHNOLOGIES

-
- **Languages:** C++; C; Java; Ruby; Scala; PHP; JavaScript; SQL
 - **Frameworks:** Ruby on Rails; AngularJS; Play; Laravel
 - **Operating Systems/Tools:** Linux/Unix; Git; Bash; Matlab; Eclipse; IntelliJ; MySQL