

David Zhang

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EMPLOYMENT

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|-----------------------------------|----------------|---------------------------|
| Software Developer, Intern | Shopify | Jan 2017 – Present |
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- Worked as part of Online Store team to design and implement new features

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

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

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

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

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

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

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- **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