

# BO LIU

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GitHub: <http://liubo2055.github.io>

Permanent Resident, 205 - 2700 Acadia Road, Vancouver, BC

T: 778-836-0999

E: [liubo2055@gmail.com](mailto:liubo2055@gmail.com)

## EDUCATION

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- Advanced Java Development Certificate, BCIT (GPA: A+) 2015 - 2016
- Web and Mobile Application Development Certificate, BCIT (GPA: A+) 2014 - 2015

## HIGHLIGHTS OF QUALIFICATIONS AND SKILLS

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- **Front-End:** HTML5, CSS3, JavaScript, jQuery, Bootstrap, AngularJS
- **Back-End:** PHP 5.6, Laravel 5.1, WordPress, Node.js (Express), Parse, JSP, ASP.NET
- **Database:** MySQL, SQL Server, MongoDB (Mongoose), Data Warehouse
- **Mobile Programming:** Android SDK, Cordova, iOS SDK, Java, Objective-C
- **Methodologies:** OOP, UML, Entity-Relationship Diagram, Data Flow Diagram, Agile

## RELEVANT PROJECTS

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### Project 1: Web Application with PHP, MySQL, and Laravel 5.1

May – July, 2015

- Developed and implemented a flashcards web application based on LAMP and Laravel framework
- Implemented front-end UI with blade templates, bootstrap, jQuery, and CSS animation libraries
- Developed the middle business layers to create, show, edit, study, and test user's flashcards with Laravel routing, authentication, model factory, mail, hashing, validation, and eloquent ORM libraries
- Designed a MySQL Database and set up test data with Laravel database migrations and seedings
- Tested the web application with PHPUnit and SimpleTest library
- Please visit <https://github.com/liubo2055/COMP-2920-Project> to see the source code

### Project 2: A Landing Page with HTML, CSS, and JavaScript

Sep – Dec, 2014

- Developed a landing page for BCIT iOS App based on jQuery, Bootstrap, and CSS animations
- Please visit <http://liubo2055.github.io/landing> to see the website preview

### Project 3: An Android News App with Java and Node.js

Jan – May, 2015

- Implemented back-end services of authentication, push notification, and analytics with parse library
- Developed a user-friendly interface with card style list view and android universal image library
- Developed a RESTful API with Node.js, Express.js and MongoDB to publish, edit, and delete news
- Implemented a news reader with XML and JSON parser, and starred the news with SQLite database
- Please visit <https://youtu.be/9byFGVawHy0> to watch this app's demo video

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## RELEVANT PROJECTS

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### Project 4: Database Design & SQL Query with Microsoft SQL Server

May – July, 2015

- Designed a relational database from scratch to maintain data for alumni of the university in regards to memberships to university clubs.
- Developed SQL query scripts to create/delete/alter database tables, insert/update/delete table rows, and create/execute stored procedures
- Please visit <http://liubo2055.github.io/db> to see all design and SQL query documentations

### Project 5: Holiday Feet Business App with Objective-C

June – Sep, 2014

- Developed an iOS app for Vancouver local-based business called Holiday Feet
- Implemented a horizontal UI Scroll View to easily navigate business information including rates, services, packages, promotions, and yelp reviews
- Developed functionalities such as writing a yelp review inside the app, GPS direction, one touch calling, and social sharing with Facebook/Twitter/Email/SMS
- Please visit <http://youtu.be/Y5BYkl-02ck> to watch this app's demo video

### Project 6: Accelerometer Game with Cordova

Jan – May, 2015

- Developed a bumper ball game with Cordova device motion plugin and jQuery mobile UI

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## BCIT COMPUTING COURSES

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### Spring/Summer 2014, BCIT

- COMP 3912, iOS Application Development Grade: 96/100

### Fall 2014, BCIT

- COMP 1950, Web Development and Design 2 Grade: 91/100
- COMP 2051, Web Development and Design 3 Grade: 98/100
- COMP 2870, ASP.NET with C# Grade: 92/100

### Winter 2015, BCIT

- COMP 2052, Android and Mobile Application Dev Tools Grade: 91/100
- COMP 2911, AngularJS Fundamentals Grade: 100/100
- COMP 2912, Node.js Fundamentals Grade: 91/100
- COMP 3613, Intro to Java Web Application Design Grade: 87/100
- COMP 3617, Android and Mobile Applications in Java Grade: 94/100

### Spring/Summer 2015, BCIT

- COMP 1630, Relational Database Design & SQL Grade: 94/100
- COMP 2831, Business Analysis & System Design Grade: 96/100
- COMP 2920, Server-side Web Scripting with PHP Level 2 Grade: 100/100
- COMP 3838, Data Warehouse Foundations for Business Intelligence Grade: 95/100