# Xiaoyu Du

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## SUMMARY OF QUALIFICATIONS

- Full-stack Web developer, specializing in Ruby/Rails as well as JavaScript on Node/JQuery.

- 6 months of experience in software development in the IT sector. Have a good knowledge on Agile environment, doing remote group project for 2 month using Scrum method.

- Good knowledge about MVC Framework, and object-oriented design concepts. Familiar with Test Driven Development, using Rspec/FactoryGirl fluently.

- Good understanding the concepts of web application development, participated in various web application projects, specializing in Single-Page Application design. Familiar with Ajax, HTML5/CSS3, DOM, and JSON data transitions.

- Familiar with MEAN-Stack development based on JavaScript libraries. Familiar with Bootstrap styling. Basic knowledge of SOAP TCP/IP HTTP protocols etc.

- Experience in project management, requirement analysis, project plans. Effectively share opinions, ideas and information. Openly listen to suggestion and ideas of others.

- Fluent oral communication and writing abilities in English and Mandarin.

## ADDITIONAL INFORMATION--PROJECTS

**Flixter –** personal project (Git: https://github.com/Shawydu/flixter, Url: https://flixter-shawydu.herokuapp.com/)

- Description: An online two sided (teach and learn) platform. Registered users are able to create course details, uploads videos for each lesson also reordering lessons and sections. User will pay for the premium course to get enrolled, and view videos streaming for further steps.

- Technique: Rails framework, relying on MVC structure. Front-end uses HTML/CSS, JQuery/Ajax. Apply multiple Rails gems for adding features such as image/video uploading, payment (Stripe), editing lessons ordering, Using Postgres database, referring resources by uploading to AWS Cloud.

**Soccer Lover** (Phone App) – group of 2, personal project (Git: https://github.com/Shawydu/Alcatel-Lucent-T3C-SOCCER )

- Description: Designed for soccer lovers in Ottawa, who can make appointment with peers to manage time and place of match, also manage team members actively. Team members can chat with group chat. Soccer Plays event schedule is shown on homepage, someone as team captain can register match they'd like to.

- Technique: Built using the Phonegap framework. Frontend built with HTML/CSS & JavaScript. The backend was build with Nodejs/Express ad MySQL.

**FoodClub** – personal project (Git: https://github.com/Shawydu/foodclub, Url: https://foodclub-shawydu.herokuapp.com/)

- Description: A Yelp clone Web application. Designed for food lovers as well as tourists who are looking for awesome places. Registered users are able to add favorite restaurants of places with information, address is displayed by google map. Comments and Photos can be added by users, which will be shown on homepage and place's detail page.

- technique:   Rely on RoR(Ruby on Rails) framework, combines with bootstrap style. Apply multiple Rails gems for adding functional features (Map display, Editing photos, etc). Postgre database, referring resources by uploading to AWS Cloud.

## EDUCATION

***Master in Computer Engineering***                                          Sep, 2013 – June, 2015

University of Ottawa--Ottawa, ON

- Won Master Education Bursary for 6 consecutive semesters (Sep 2012 – May 2015).

- Certificate: MongoDB for NodeJS Developer (score:92/100).

***Bachelor in Computer Science***                                          Sep, 2009 – July, 2013

Sichuan University--Chengdu, China

- GPA: 3.2 out of 4.0 scale

## PROFESSIONAL EXPERIENCE

Web developer – remote project (Chess Game App)                          Dec 2015 – now

(github: https://github.com/EndgameFP/Chess-app)

- Setup environment from backend to client side based on Ruby/Rails, helped designing data-model, deployed environment live on Heroku, make configurations clean and stable by Codeship.

- Helped design front-page using HTML/CSS & Bootstrap according to wireframes.

- Wrote test cases for ensuring clean and correct code logic.

- Act as Agile team member using Trello, delivered code effectively.

**Internship**                                                                      Chengdu, China

Quality Assurance –Xin Ke Tech. Inc.                                          Jan 2013 – Oct 2013

- Maintained and made testing UI to a well designed Embedded system, made functional test features to grab data.

- Learned writing well-tested code with colleague and complete new knowledge task on time.

**Internship**                                                                      Chengdu, China

Web developer—Hua Di. Inc.                                                  Mar 2012 – Dec 2012

- Designed webpages relying on JSP, performed serving job information for graduating students, using JavaBeans IDE.

- Completed the clear design of user interface. Involved in designing practical data scheme of medium scale website based on MySQL.

- Study and wrote functional design documents using UML, Sequence diagrams, Flow charts.