Zichen Wang

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EDUCATION

December 2016
Northwestern University
Master of Science in
Electrical Engineering and
Computer Science
3.74/4.0

June 2015
Beijing University of Posts and Telecommunications
Bachelor of Science
3.65/4.0

SKILLS

>> Technical

JavaScript

Java

HTML5, CSS3, Sass

jQuery, AngularJS, Ionic, Meteor

MySQL, MongoDB

Node.js, Express.js

Ruby, Ruby on Rails

Git

Photoshop, Illustrator

>> Experience with

Front End Development

Mobile Application Development

Agile Development

Test-Driven Development

UI / UX Design

RELEVANT COURSES

Data Structures and Algorithms

Human-Computer Interaction

Database Management

Wireless and Mobile Health

PROFESSIONAL EXPERIENCE

Front End Engineer Intern
Highrise Pet Care | Chicago   *June, 2016 – Sep, 2016*

- Developed hybrid mobile applications using Ionic and AngularJS for customers to schedules services, manage orders and send instant messages to walkers through the apps
- Collaborated with designer and customers to create user-centered interfaces
- Built real-time collaborative apps using Firebase
- Used Apache Cordova to access device-level APIs
- Integrated Google Maps API to track routes and show walkers locations
- Apps are under beta testing

PROJECT EXPERIENCE

APIGO
Full Stack Development   *March 2016 – June 2016*
- Developed a website to help users learn APIs more effectively by offering unified and better organized documentations
- Made content editable for users to improve existing documentations
- Designed and implemented the website using Meteor

FavOOreD
UI/UX Design | Mobile Web Application Development   *March 2016 – Aug. 2016*
- Designed a mobile web application to encourage people to make healthier food choices while eating out
- Interviewed potential users and nutritionists to gather user requirements
- Brainstormed solutions and tested with users through paper prototypes
- Iterated functionalities and interface designs four times based on testing
- Completed UI / UX design using Photoshop

Loneliness detecting through mobile sensing
Software Development   *Jan. 2016 – March 2016*
- Developed an Android application to determine if loneliness correlates with phone usage
- Implemented routes tracking and special locations labelling using Google Maps API and Google Places API to know more about user's activities
- Demonstrated the project with a separate showcase web page

MyRoutes | the HAbits Lab of Northwestern University
Software Development   *Nov 2015 – March 2016*
- Built an Android application to record and share running/walking routes to encourage people to do more exercises
- Provided routes recommendation based on user's exercise histories, locations and preferences
- Implemented real-time routes tracking using Google Maps
- Used MySQL database and built connection through SSH protocol