

Zhaojun Yang

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, Massachusetts, USA

Master of Science in Computer Science, GPA: 3.71

Sep 2015 – Expected May 2017

Beijing University of Posts and Telecommunications (BUPT), Beijing, China

Bachelor of Engineering in Communication Engineering, GPA: 3.70

Sep 2011 – Jul 2015

SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, Python, Ruby, PHP

Operating Systems: Windows, Linux, OS X

Tools: Git, Android Studio

Database Related: MySQL, JDBC

Web Technologies: jQuery, Node.js, React.js, Bootstrap, Express 4.0, Rails 5, gulp, webpack, Ajax

Other Skills: MVC design, Agile methodology, Android development, D3.js

EXPERIENCE

State Key Laboratory of Networking and Switching Technology, BUPT

Research Assistant,

July 2014 – May 2015

- Studied user communication behavior and link prediction algorithms.
- Implemented various link prediction algorithms using Python and MATLAB.
- Published paper *A Community-Structure Based Adaptively Optimized Link Prediction Algorithm*.

PROJECTS

WPI Route Finder (Java, MySQL)

Sep 2015 – Dec 2015

- Designed and implemented a mapping application that helps user to find the shortest route between two locations in WPI using Java following Object Oriented Design principle in a team of seven.
- Designed and implemented GUI using Java Swing in a team of two.
- Implemented various features including smart search module, parking lot framework, etc. to increase usability.
- Built MySQL database to facilitate data input and retrieval.
- Employed strategy design pattern to support three different path-finding algorithms (Dijkstra's algorithm, A* algorithm and a multi-destination routing algorithm).

Web Application: Workout (React.js, webpack, Express)

Mar 2016 – Apr 2016

- Built a single page workout web application using React.js.
- Applied React Router to keep UI in sync with the URL.
- Enabled ES6 features for front-end code by babel and used gulp to automate the development workflow. Utilized webpack as a module bundler.
- Implemented back-end logic on Express 4.0 server to allow users to customize their workout schedules and get workout related information.

Web Application: Microblog (Ruby on Rails)

May 2016 – Jun 2016

- Implemented a microblogging web application that has users, microposts, and a full log in and authentication framework using Ruby on Rails.
- Wrote controller tests, model tests and integration tests to protect against regressions and facilitate code refactoring.
- Applied the REST architecture to model application components such as users and microposts, etc.

Client-Server Chat Application (Java, Multithreading)

Jun 2016 – Jun 2016

- Implemented a chat program based on the client-server model using Java sockets.
- Built a multi-threaded server that could handle multiple clients input.
- Implemented GUI using Java Swing.