

Xiyi Li

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<https://lixiyi512.github.io/>

Education

University of Pittsburgh, PA

Dec 2016

Master of Science in Information Science with GPA 3.7

University of Pittsburgh at Bradford, PA

Apr 2015

Bachelor of Science in Computer Information System and Technology with GPA 3.9

Skills / Qualifications

Web Development: HTML5, CSS3, JavaScript, JQuery, AJAX, AngularJS, D3.js, Bootstrap, Servlet, MySQL, Junit, Selenium

Programming Languages: Java, C#, PHP

Development Tools: IntelliJ, Eclipse, Axure, Netbeans, Visual Studio, Android Studio, JIRA, Git, Tomcat, MAMP, Maven

Professional Experience

Clinical and Translation Science Institute (CTSI) at University of Pittsburgh

Jun 2016 – May 2017

Web developer Intern

- Designed, coded and maintained new and existing websites for the CTSI
- Worked with project manager to design the website prototype using **Axure**
- Enhanced [Pediatric PittNet](#) website architecture utilizing **HTML**, **CSS** and **JavaScript**
- Embedded PDF within modal windows using **jQuery** and **Bootstrap**
- Developed parallax interaction and circle-line animation features for [Pitt+Me website](#) using **jQuery** and **CSS**

Projects

Titan: Java Web Service Development – Restaurant Search and Recommendation Engine

- Developed a three-tier Restful web page for users to search restaurant based on location and update preference
- Created Java **servlets** with **RESTful APIs** to handle HTTP requests and responses
- Parsed the fetched JSON response to a more structured format utilizing **builder pattern**
- Built relational database (**MySQL**) to fetch data from **Yelp API**
- Designed content-based recommendation algorithm to implement restaurant recommendation
- Created an interactive web page utilizing **AJAX** technology (HTML, CSS and JavaScript)

[VizBike@Pittsburgh](#) – Interactive Visualization System

- Developed an interactive visualization website for users to explore bike sharing patterns
- Used **d3.js** to implement different visualization methods (e.g. heat map, chord diagram and bump chart), providing a convenient, intuitive and accurate way for users to access massive disordered data
- Utilized **Python** and **SQLite** to extract and aggregate data for d3 manipulation
- Designed clean and interactive web pages using **Bootstrap** and **jQuery**

ShopMe – Full Stack Web Application

- Developed a dynamic e-commerce website for users to register, login and shop online
- Created Java **Servlets** to interact with database and display product information dynamically
- Used a stateful session **bean** to manage the operations of the shopping cart
- Built a relational database to automate functions of online sales via Java **Derby** Database
- Implemented visually-appealing front end utilizing **AJAX** technology (HTML, CSS and JavaScript)

Pharmacogenomics Program Tracker – Information Management System

- Built a dynamic web application for users to track programs on map and manage the data involving their own programs
- Designed **relational schemas** and built **MySQL** database to store data involving pharmacogenomics
- Used **PHP** to interact with database and maintain program information
- Implemented a highly interactive interface using **Google map API** and **AJAX** to track and filter programs