Xiyi Li

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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: HTML, CSS, JavaScript, JQuery, AJAX, AngularJS, Bootstrap, Servlet, MySQL, Junit, Selenium
Programming Languages: Java, C#, PHP
Development Tools: Axure, Netbeans, Eclipse, Visual Studio, Android Studio, JIRA

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
- 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**
- Decreased user workload and increased user experience

Greater Pittsburgh Area MAD DADS   Sep 2015 – Dec 2015
  Volunteer for MADDADS Website Redesign Project
- Worked with program manager to design the website based on the community development demand
- Implemented the website and increased the awareness of the organization in the community

Projects

Titan: Java Web Service Development – Restaurant Search and Recommendation Engine
- Developed a dynamic web page for users to search restaurant based on location and update preference
- Improved personalized restaurant recommendation based on search history and favorite records
- Created Java **servlets** with **RESTful APIs** to handle HTTP requests and responses
- Built relational database (**MySQL**) to fetch data from Yelp API
- Designed content-based recommendation algorithm to implement restaurant recommendation
- Designed an interactive web page utilizing **AJAX** technology (HTML, CSS and JavaScrpit)

VizBike@Pittsburgh – Interactive Visualization System
- Developed an interactive analysis visualization website for users to explore Pittsburgh bike riding patterns
- Provided a convenient, intuitive, quick and accurate way for user to access massive disordered data
- Used **d3.js** to implement different visualization methods (e.g. heat map, chord diagram and bump chart)
- Utilized **Python** and **SQLite** to extract and aggregate data for d3 manipulation

Pharmacogenomics Program Tracker – Information Management System
- Built a dynamic web application for users to log in and manage the data involving their own programs
- Allowed users to identify and learn critical information about leading programs via Google map
- Built **MySQL** database to store data involving pharmacogenomics and used **PHP** to maintain program information
- Implemented a highly interactive interface using Google map API and **AJAX** to track and filter programs

ShopMe – Full Stack Web Application
- Developed a dynamic e-commerce website for users to register, login and shop online
- Created **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)