Joanna Wu

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Targeting an Entry-Level Opportunity in **Software Engineer || Web Developer**

Summary

- Proficient in object-oriented programming; developing, testing and debugging code; designing interfaces.
- Quickly learn and master innovative technologies; successful working in both team and self-directed settings.

Education

New York University(NYU), NY   Anticipated May 2018
- M.S. Computer Science (GPA:**3.86**)

City University of New York, Queens College, NY   Aug. 2015 - May 2016
- Equivalent B.S. Computer Science (GPA:**3.82**)

St. John's University, NY   Sep. 2010 - May 2015
- PhD Candidate in Pharmaceutical Science (GPA:3.60)

Courses Completed:
- Java Programming & Data Structures, Operating Systems, Algorithm Design & Analysis, Database Systems, Computer Networking, Machine Learning, Artificial Intelligence, Big Data Analysis, Information Security

Professional Quantifications

Languages: Java, JavaScript, HTML, CSS, C++, Python, PHP, SQL
Frameworks/Tools: React, Redux, Node.js, Express, jQuery, Bootstrap, Spark; Git
Database Systems: MongoDB, MySQL
Operating Systems: Windows, Linux, Mac OS X

Work Experience

Data Analytics Intern, CUNY Research Foundation, NY   May 23rd, 2016 - Aug. 31st, 2016
- Collaborated with manager on writing user stories for e-procurement system development by Agile Methodologies.
- Created wireframes for Web Page Design of agency-contract application system using Balsamic Mockups.
- Processed large amount of data from Excel spreadsheet and Microsoft Word to Microsoft Access databases.

Projects

Book Store Web App (React, Redux & Node.js)   Jan. 2018
- Developed a single page of Shopping-cart application in React, Redux, Express and MongoDB.
- Created our own MongoDB database for serving as back-end for this Web App.
- Deployed this App to AWS and to Heroku.

Full Stack Development | Fun-Hiking Scalable Website (Node.js, Express & HTML, CSS)   Dec. 2017
- Invented a nonrelational database (MongoDB) to store user, hiking place and other collection data for the site.
- Developed dynamic, interactive website for users to add new hiking places, view, comment or edit a posted place.
- Implemented a star rating system of posted places in comment session.
- Deployed and maintained the universal site on Heroku.

Artificial Intelligent(AI) Game Design | a GUI version of 4 X 4 Tic-Tac-Toe Game (Java)   May 2017
- Devised an interactive 4 X 4 Tic-Tac-Toe game with different level for person to play against computer.
- Made the AI player never lose through improvement of evaluation functions while playing with human.
- Produced the graphic user interface(GUI) according to the designs provided and the project objectives.

Machine learning Classification | Social Bots on Twitter Detection (Python)   May 2017
- Collected twitter account information from the Users Object on usage of twitter REST APIs.
- Applied Logistic Regression, Naïve Bayes, Random Forest algorithms to classify accounts based on their features.
- Achieved 95% accuracy of classification of bots on more than 1000 twitter accounts.

Web Development | Cooking Recipes Sharing Website (PHP, SQL, Bootstrap)   Dec. 2016
- Coordinated design and development of an interactive website for users to post, search recipes and comment.
- Built a relational database (MySQL) to capture recipes and user data and use trigger to get specific update.
- Implemented the item-based Collaborative Filtering algorithm for recommending interesting recipes to users.