Xianrun (Sheeran) Qu

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EDUCATION

University of Wisconsin – Madison   Expected May 2019

Bachelor of Science degree in Computer Science
GPA: 3.5/4.0; Dean's list (1 Semester)

SKILLS

Proficient: C++; C# .net; JAVA; JavaScript; R; WPF .net; PowerShell; Linux Bash; Windows CMD; Git
Intermediate: VBA; AngularJS; CSS; HTML5; Node.js (npm); SQL; BootStrap; XML; MS Office

WORK EXPERIENCE

UW Madison, Smith Group   **Madison, WI**

Student **C#** developer   Sep. 2017 - Present

- Build and consolidate open-source software. Optimized filtering algorithms and increased prediction accuracy by 5%.
- Investigate problems from top to bottom and examine features with unit-testing.
- Design and implement User Interface (UI) with WPF .net. Received positive feedback from current users.
- Code deployment program. Programmed the current installer of Smith Group's software.
- Work in scrum team and get used to working in sprints. For example, learned PowerShell Script within 4 days and implemented digital signing on a cloud server (AppVeyor).

Accenture (China) Co. Ltd.   **Dalian, China**
BPO Automation Intern   Jun. 2017 – Aug. 2017

- Built Robotic Automation Process System. This system reduced required amount of human interaction by 30%.
- Developed with **C#** and Win Form **.net**. Coded 50% of UI and Implemented information parsing algorithms.
- Familiarized with Access Database and programmed database management class with SQL.
- Assured qualities of codes and commented codes for better understanding.

Thomson Reuters   **Beijing, China**
Technical Intern   Jun. 2016 – Aug. 2016

- Designed and built automatic annual report processing system with Apache Software (NIFI). Submitted the resulting system for testing; extracted over 2000 reports with 100% accuracy. The system was then for using and automatized 90% of work in annual report processing.
- Communicated with different departments and make a track of the needs with Excel.

PROJECTS

- **JAVA Compiler (School) | Author**   JAVA
  Semester-long project; a compiler that parses and translates higher-level codes into machine codes. Wrote over 100 classes for different segments in parsing. Implemented system with Top-Down strategy.
- **Data Structure Projects (School) | Author**   JAVA
  Projects utilizing data structures like lists, stacks and sets (Still in progress).
- **Algorithms | Contributor**   JAVA
  Solutions to advanced algorithm problems, such as sets, dynamic programming and trees. Contains both original thoughts and learned strategies.
- **MetaMorpheus (Smith Group) | Contributor**   C#

Bottom-up searching system built with object-oriented strategy. Strengthened code-reading ability and got familiar with large applications testing.

- **Neural Network Model | Co- Author**   **C++**
  A NN model trained with sigmoid function. This model can be used to categorize items in to-do list.
- **Personal Website | Author**   **Web**
  Static website built with BootStrap, JQuery and JS, from scratch. Learned to build web pages with BootStrap. Designed impressive layout.

Links

- **Github:**   https://github.com/XRSHEERAN
- **Linkedin:**   https://www.linkedin.com/in/xianrun-qu
- **Website:**   https://xrsheeran.github.io

RELEVENT COURSES

- **Intermediate**: Data Structure (JAVA); Algorithms (Mathematics)
- **Advanced:** Graphic Design (JavaScript); Human-Computer Interaction (UX); Cryptography (Internet Security); Compiler Building (JAVA); Web Development (HTML, JavaScript)
- **Data Science:** Regression Model(R); Statistics Basics (R); Neural Network (C++)