Chen Liang

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PROFESSIONAL SUMMARY

- Software engineer with professional experience of 2 years in software development.
- *Core Competencies* – Algorithms and Data Structures, Web Development, SQL, Java, Data Analysis, Object Oriented Design.

EDUCATION

Master of Science in Computer Science   *Expected December 20XX*
University of North Carolina at Charlotte (UNCC), USA

Bachelor of Computer Science and Technology   *May 20XX*
Zhejiang University, Hangzhou, China

TECHNICAL SKILLS

Programming	: Java, SQL, R, Node.js ,PHP, Python, C++,
Web and Frameworks	: HTML5, Bootstrap, JavaScript, CSS, JSON, Spring Boot, Spring MVC, Laravel, Rest APIs
Databases	: MySQL, DB2, NoSQL-MongoDB
Tools	: Maven, Git, Tableau, XLMiner, SAS, Microsoft Power BI

PROFESSIONAL EXPERIENCE

Application Developer, UNCC College of Computing and Informatics   June 20XX - June 20XX
- Application Developer for "ReviveNC Student Support" – A project Administered by the Charlotte Green Initiative
- Designed and developed User Interface for the system to visualize UNCC e-waste increase re-use of waste equipment to 80%.
- Implemented web scraping to develop datasets from unstructured online sources which helped refurbishment team as search effort reduced by 50%.

Graduate Research Assistant, UNCC College of Computing and Informatics   February 20XX - August 20XX
- Developed RestFul APIs for a research project used for mapping, integrating and rendering a wide variety of data on relevant pathway graphs which improved the process of carrying out genomic analysis for bioinformaticians by 25%.
- Designed and implemented functionality where users can share analysis with other users in a secured manner.

Software Engineer, Baidu; Beijing, China   August 20XX - August 20XX
- Worked on low level designing, coding, unit and regression testing and deployment phases of Software Development Life Cycle
- Developed a MACRO in VBScript for volume and performance testing, which reduced testing time and effort by 70%. Received BRAVO award for the same in that quarter.
- Worked on a major Live Defect impacting the billing account application, provided a solution by modifying wrongly set conditions within SLA time which saved organization from paying penalty. Worked independently on major cycle holding production defects.
- Performed data analysis and developed test plans for major work deliverables.

ACADEMIC PROJECTS

Olympic Dataset Visualization using Tableau   Spring 20XX
- Analyzed the historical Olympics dataset to identify various attributes and find out insightful information about the Olympics data.
- Designed and developed interactive Tableau Dashboards to visualize interesting characteristics within the data.
- Implemented a Convolutional Neural Network model to train the Fruits 360 dataset for feature extraction. This model was then used with extracted features and classified using Random Forest Classifier to identify the fruits.

Club Database Management System [*MySQL, PhpMyAdmin, Agile*]   Fall 20XX
- Developed and designed a normalized database for Club Management Activities following agile methodology.
- Performed query indexing and optimization using SQL; implemented dynamic queries, stored procedures, triggers and views.

Web Application: 'Niner Events' [*Spring MVC, HTML5, CSS3, JavaScript, jQuery, Bootstrap, Ajax, JSON*]   Fall 20XX
- A web application for Event Management System where users can create, view, search, register and provide feedback for events.
- Implemented REST API controllers and Spring MVC controllers and services.
- Designed the database and contributed to object-oriented design for all functionalities.