JIABEI (Phoenix) PAN

+61 450 084 688 | phoenixpan1992@gmail.com | www.linkedin.com/in/phoenixpan/

EDUCATION

Master of Science in Information Technology, Carnegie Mellon University, Adelaide   2015 - 2017
Academics: GPA: 3.8/4.3
Honors and Awards: *Dean's List (2015-2016); Merit Scholarship 50% Tuition*
Bachelor of Arts in International Business, University of Indianapolis, Indiana, US   2012 - 2014
Academics: GPA: 3.9/4.0
Honors and Awards: *Dean's List (2012-2014)*; *Graduated summa cum laude; First Class Scholarship*

SKILLS

Language: Java, Python, JavaScript, HTML, CSS
Database: MySQL, Oracle Database, HBase, MongoDB
Operation System: Linux, Microsoft Windows
Tools: Eclipse, PyCharm, WebStorm, Android Studio, Git, npm, Amazon Web Service, Microsoft Azure

EXPERIENCE

Government of South Australia, Full-stack Developer, Australia   2017 – 2017
- Sole developer of an Android web application using Cordova framework for a fund raising activity of $1 million
- Built both the front and back end of the application using HTML, CSS, and JavaScript
- Designed the backend API endpoints to handle RESTful requests from user devices and save data in backend

Mitsubishi Electrics, Researcher Intern, Japan   2016 – 2016
- Conducted market researches for an incoming healthcare device based on internal and external data. The results were virtualized using Excel and Power Map and the presentation was accepted by the company board
- Completed product documentation of the healthcare application, including development guide, UI guide, tutorials, and user manuals. Each document has clear target audience and is friendly to all readers
- Developed a fully visualized prototype of the healthcare application with Android Studio and Java. The app is able to monitor user status, communicate with database servers on AWS, and make emergency calls

Carnegie Mellon University, Cloud Computing Projects, Australia   2016 – 2016
- Implemented a RESTful web service for Twitter data analysis. Processed 100 Gb data through MapReduce and put it into HBase and MySQL servers behind a load balancer. The programs were written in Java and Python and deployed on AWS
- Built on cloud a dummy Facebook which safely processes 25,000 concurrent user requests per second and costs less than $0.5/hour. Implemented login, user portfolio, friendships, and timeline, using different database (MySQL, HBase, and MongoDB) for a better performance.
- Performed MapReduce tasks for text analysis purpose on large-scale dataset with Java and AWS EMR
- Designed intelligent distribution strategies for load balancer and auto scaling group to improve computing resource utilization and budget control

Menusifu Inc., Assistant Product Manager, New York   2014 – 2015
- Designed data collection modules and UIs for company products, including three applications based on iOS and other two on HTML5, which were used in more than 500 businesses
- Investigated and surveyed 300 clients, recognized 500 effective bugs and demands, proposed corresponding solutions, and raised customer satisfaction rate from 77% to 92% within two months
- Established marketing strategy based on user research, data analysis, and competitor analysis. Increased monthly sales by 53% to more than $100,000 during my tenure
- Coordinated customer support representatives (CSRs) and IT department by introducing an internal ticket system, allowing CSRs to track resolved issues or issue new tickets to developers