Ji Zhang

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Portfolio: http://alexzhangji.github.io/   GitHub: https://github.com/AlexZhangji

EDUCATION

University of Southern California, Los Angeles, CA   **May 2017**
Bachelor of Science, Computer Science   **Major GPA 3.74**

WORK EXPERIENCE

Docket Calendar, Los Angeles, CA   **Summer 2016**
Full Stack Engineer Intern
- Created new features includes comments, profiles, emoji post, shared class system and more for backend and frontend using AngularJS and PHP/Laravel.
- Refactored and optimized existing event, task, calendar view, backend update mechanism and landing page. Reduced application initial loading time by 27 percent.
- Design and implemented interactive user data analysis and visualization portal with MySQL and HighChartsJS.

ZTE Corporation, Chengdu, China   **Summer 2015**
Web Developer Intern
- Prototyped a WeChat web application/Bot in PHP, created and integrated voice and song recognition, location based weather forecast, QR code login and various other functions and detailed documents.
- Designed and implemented the complementary frontend pages for the WeChat Bot in HTML/JavaScript.

USC PROJECTS EXPERIENCE

Senior Capstone Project: EMR System with Healthcare Data Analysis   **Aug 2016 to Dec 2016**
Lead Developer and Designer – Team Project
- Collaborated with the data scientists and public health experts from Kaspect and Global Brigades, designed and implemented data analysis and visualization portals for the medical record data from ground up (both the backend and frontend).
- Researched to refactor and extend a selected open source EMR system with responsive and intuitive design and streamlined functionalities.

Web Crawler with NLP and Data Visualization In Python   **Nov 2015 to Dec 2015**
Developer – Independent Project
- Developed a web crawler that extracts and cleans info in any website, customized for Reddit and Twitter.
- Integrated crawler with NLP and generate word cloud visualization for any sites or files for English and Chinese.
- Extended the crawler and made a Node.js version of Twitter data sentiment analysis(AFINN-based) API in Nov 2016.

Android Note Taking App with OCR and Cloud Synchronization   **Nov 2015 to Dec 2015**
Developer and Designer – Independent Project
- Created a cloud note taking App with Microsoft's artificial intelligence service's OCR to reads text from photos.
- Utilized Parse API, implemented a complete account system and notes synchronization.
- Implemented UI with material design look and feel and an experimental video background.

3D Multiplayer Spaceship Shooting Game In C++ With Unreal Engine   **Feb 2015 to May 2015**
Developer and Designer – Team Project
- Developed and designed various projectile weapons, special abilities, and various particle effects.
- Implemented map elements and game UI. Created video trailer and poster for this game.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C++, PHP, Node, HTML/CSS, MIPS.
Applications: MySQL, Sqlite, Jira, Git, Unreal Engine, MARS, Photoshop, Premier, InVision.
Operating Systems/Platform: Windows, Server side Linux(Ubuntu/CentOS), AWS, Android.
Frameworks/Libraries: Matplotlib/Seaborn, HighCharts, AngularJS, EmberJS, Flask.

SPECIALIZED COURSEWORK

USC: Web Application Development, Design for User Experience, Game Programming, Android Development, Video and Multimedia Production.

Coursera/Udacity: Machine Learning, Introduction to Data Science in Python, Learning How to Learn.