Chengyu SHEN

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EDUCATION

M.Sc. in Computer Science (general), University of Southern California 2017 - Present
B.Sc in Computer Science, University of Nottingham (UNNC), China 2012 - 2016

TECHNICAL SKILLS

Programming: Java, C, C++, SWIFT, Python
Website: HTML5/CSS/Javascript/PHP
Database: MySQL
Data Analytics: R, MATLAB, Node.js
Other: Latex, Git, AWS, Bitbucket

WORK EXPERIENCE

The Big Data and Visual Analytics (BDVA) Lab 06/2014 - 08/2014
Data Analyst | Node.js & R

- Extracted products' corresponding information from Amazon website.
- Discovered and visualized the relations among different information with R.

PROJECTS

Facebook Search iOS App 04/2015 - 05/2015
iOS APP developer | Swift

- Allowed users to search for required Facebook accounts with keyword and types.
- Allowed users to look the detailed information, like posts and albums for a specific account.
- Based on Facebook graph APIs, users could share the selected account as well as information on Facebook.

Responsive Web Design 04/2017
PHP & AngularJS & HTML5

- Developed a responsive website using bootstrap and corresponding CSS codes.
- fetched latest Facebook data using Facebook Graph Search APIs and interpreted them with a PHP file deployed in AWS.
- Implemented a dynamic website using AngularJS.

Nome Info Website 09/2015 - 04/2016
PHP & MySQL & WeChat API

- Developed a website with CodeIgniter framework and MySQL database, having more than 3,000 active users.
- Allowed students to publish and participant school's activities from the Internet.
- Based on WeChat APIs, users could pay or communicate with official account.

Twitter Sentiment Analysis 10/2015 - 05/2016
Node.js & R & HTML5 & Javascript

- Developed website crawler and obtained millions of real-time tweets from Twitter.
- Implemented a Node.js translating script with MicroSoft APIs to translate tweets into English.
- Visualized millions of tweets and earthquakes' records on maps to analyze the relation of earthquakes and tweets.
- Builded multiple classification models based on SVM, Naive Bayes and Decision Tree algorithms, the accuracy of learning result was higher than 86%.

Aircraft Game 03/2015 - 05/2015
C++ & SDL

- Developed a Aircraft Game in C++ and got the highest score among classmates.

AWARDS

UNNC Head's Scholarship — top 20% students 11/2015
UNNC Dream Scholarship — Reward for Nome Info website 10/2015
UNNC Head's Scholarship — top 20% students 11/2013