Chengyu SHEN

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EDUCATION

M.Sc. in Computer Science (general), University of Southern California	(3.9/4.0)	2017 - 2018
B.Sc in Computer Science, University of Nottingham (UNNC), China	(3.6/4.0)	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

Node.js & R

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

PROJECTS

SHAPE Hackathon — 07/2017 - 07/2017

Swift

- Create a sound-based iOS/Swift app by implementing IBM Watson library in Swift, passing the first round.

Facebook Search iOS App — 04/2017 - 05/2017

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 - 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.

Twitter Sentiment Analysis — 10/2015 - 05/2016

Node.js & R & Machine Learning

- Obtained millions of real-time tweets from Twitter by implementing Twitter Streaming api in Node.js.
- Translated millions of tweets in various languages by operating the Microsoft translator.
- Visualized millions of tweets and earthquakes' records using d3.js.
- Analyzed sentiments behind tweets and achieved higher than 86% accuracy by implementing SVM, Naive Bayes and Random Forest algorithms in R.

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.

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