

Chengyu SHEN

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EDUCATION

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|------------------------------------------------------------------------|----------------|
| 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

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

WORK EXPERIENCE

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

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

PROJECTS

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| Responsive Web Design | 04/2017 |
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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.

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| Nome Info Website | 09/2015 - 04/2016 |
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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.

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| Twitter Sentiment Analysis | 10/2015 - 05/2016 |
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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.
- Build multiple classification models based on SVM, Naive Bayes and Decision Tree algorithms, the accuracy of learning result was higher than 86%.

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

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

AWARDS

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| 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 |