Chengyu SHEN

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PROFILE

- Experience in Arduino, WeChat app, website and JAVA development.
- Skilled at implementing algorithms and logic problems.
- Looking for a Software Development Engineering intern role.

EDUCATION

University of Southern California — Master's degree in CS (general)	2017 - Present
University of Nottingham, Ningbo, China (UNNC) — Undergraduate's degree in CS	2012 - 2016

AWARDS

UNNC Head's Scholarship — top 20% students	11/2015
UNNC Dream Scholarship — Reward for WeChat Light App	10/2015
UNNC Head's Scholarship — top 20% students	11/2013

WORK EXPERIENCE

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

- Professional experience as a data analyst in undergraduate university.
- Extracted products' information from Amazon and Taobao website.
- Discovered the connections among different information with R.

PROJECTS

Nome Info Light APP   09/2015 - present
Back-end developer | PHP & MySQL & WeChat API

- Developed a website with CI framework and MySQL database, having more than 1,000 active users.
- Allowed students to publish and participant school's activities from the Internet.
- Based on WeChat api, users could pay or communicate with official account.

Twitter Sentiment Analysis   10/2015 - 05/2016
Data Analyst | Node.js & R & Machine Learning

- Strongly background in crawling Tweets from Twitter servers with Twitter APIs.
- Analyzed sentiment of each plain-text sentence using Machine Learning models,
- Visualized hundreds of thousands tweets and earthquakes' records on maps.
- the accuracy of learning result was higher than 80%.

Robot Routing Competition in Malaysia   03/2015
Developer | C & Arduino

- Experienced in implementing routing algorithms on Arduino chip with C language.
- Taught robots to escape from mazes based on information collected from sensors.

Countdown Number Round Game   09/2014 - 05/2015
Core developer | Java & Haskell

- Collaborated with 4 team members and developed a countdown game application with Java and Haskell.
- designed Java UI and operated searching algorithm and Java programming.
- Our achievement allowed users to play countdown game and compete with others.
- Our AI was capable to find a closest solution from a sequence of given numbers and a target.

TECHNICAL SKILLS

Programming: Java, MySQL, HTML/CSS/Javascript/PHP, C, C++, Haskell

Data Analytics: R, MATLAB, Node.js

Other: Keynote, Latex