TAO JIANG

(+86)132-6029-9910 | hijiangtao@gmail.com | https://hijiangtao.github.io/ | Beijing, China

SUMMARY OF QUALIFICATIONS

M.S. Student in Computer Science at UCAS with programming skills in diverse languages and experience in industrial and research settings. Pursuing 2017 internships in Front-End Web Development (Visualization).

EDUCATION

University of Chinese Academy of Sciences (UCAS)   Expected July, 2018, Beijing, China
M.S. Computer Science | GPA 11/133 (10%)
Relevant Courses: Numerical Analysis, Modern Information Retrieval, Advanced Artificial Intelligence, Text
                     Data Mining, Algorithm Design and Analysis, Software Vulnerability analysis and detection.

Beijing Institute of Technology (BIT)   July 2015, Beijing, China
B.S. Software Engineering | GPA **2/**62 (5%)
Relevant Courses: Data Structure and Algorithm, Algorithm Design and Analysis, Software Engineering, Web
                     Development, Linear Algebra, Probability and Statistics.

TECHNICAL SKILLS

Programing Languages: JavaScript(ES6, Node.js), HTML/CSS, Python, SQL, C, Shell
Tools and Frameworks: D3.js/Vue.js/jQuery/Express/webpack/Git/MySQL/MongoDB

PROFESSIONAL EXPERIENCE

TalkingData   Beijing, China
Data Mining and Visualization Intern, HQ Innovation Lab   Oct 2015 - Present
- Designed and developed Department's TalkingMind Platform, responsible for Front-End and Visualization
- Visualization Prototype Development, responsible for cooperated research project on Spatial-temporal data

Institute of Software, Chinese Academy of Scienese (ISCAS)   Beijing, China
Teaching Assistant of Information Visualization Course (2016 UCAS Fall Semester Graduate Course)   Sep 2016 – Dec 2016

DeepGlint   Beijing, China
Web Development Engineer Intern, MUSE Department   Jul 2015 – Sep 2015
- Developed and rolled out new features in Developer Platform
- Responsible for System Monitoring Data Visualization Components' development

Leiden Institute of Advanced Computer Science (LIACS)   Leiden, Netherlands
Leiden University Exchange Student   Mar 2015 – May 2015
- Improved MARKUS performance and rolled out new features in future work
- Undergraduate Thesis Paper

PROJECT EXPERIENCE

Information-Theoretic Visual Analysis of Big Mobile Location Data   Sep 2016 – Present
- Constructed User profiles with big mobile location data and mapping them to spatial visualization with
  proposed entropy metrics, speed up scientific computing with Python Multiprocessing
- Improved web performances with canvas, instead of svg

Visual Comparison of Customer Stickiness in Retail Store   Mar 2016 – Aug 2016
- Developed Visual Analtics Interface and APIs with D3.js/Vue/Express/MySQL/MongoDB
- Accepted by CIKM 2016 DAVA Workshop, presented at Indianapolis, US

Chinese Reality Show "Dad Where Are We Going" Visualization System   Apr 2014 – Aug 2014
- Developed with D3.js/Echarts/Bootstrap/Python
- Based on the scratched social media data and rating data of reality show, the system deals with the pure data,
  data visualization and data analysis at the same time

SCHOLARSHIP and AWARDS

National Government Scholarship, The China Scholarship Council   2014
National Endeavor Scholarship, China Ministry of Education   2013
Excellent Student Award, Beijing Institute of Technology, for three consecutive years 2012 – 2014
National 1st Prize, The 3rd "China Software Cup" Software Design Competition, Nanjing, China   2014.8
National 1st Prize, The China Robot Contest and the Robocup Open, Hefei, China   2013.10