

Minwei Xu

Full Stack Developer | Data Analyst
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EDUCATION

JOHNS HOPKINS UNIVERSITY

BS IN COMPUTER SCIENCE

Expected June 2019 | Baltimore, MD
 Cum. GPA: N/A

UC DAVIS

BS IN COMPUTER SCIENCE

Sep 2015 - June 2016 | Davis, CA
 Dean's Honor List (All Quarters)
 Cum. GPA: 3.97 / 4.00
 Major GPA: 4.00 / 4.00

SHANGHAI HIGH SCHOOL

Grad. June 2015 | Shanghai, China

LINKS

Personal Website: <http://mwxu.me>
 Github: <https://github.com/vanshady>
 LinkedIn: www.linkedin.com/in/minweixu

SKILLS

FRONT-END PROGRAMMING

Javascript (ES2015, ES6) • JSX
 HTML/CSS • Bootstrap • D3.js
 React.js • Chrome Extension

BACK-END PROGRAMMING

Node.js • npm • Express • Socket.io
 MySQL • MongoDB • Firebase
 GraphQL • sequelize (ORM) • OAuth2

SOFTWARE ENGINEERING

C++/C • Python • Matlab • R
 Git • Linux/Unix Commands

LANGUAGES

ENGLISH

FULL PROFESSIONAL PROFICIENCY

MANDARIN

NATIVE PROFICIENCY

FRENCH

ELEMENTARY PROFICIENCY

EXPERIENCE

NEWA TECH | FULL STACK DEVELOPER

June 2016 – August 2016 (Expected) | Shanghai, China

- Develop the full stack implementation of a data mining platform by React, Node.js, MongoDB, and Python.

RESEARCH

UC DAVIS VIDI RESEARCH GROUP | UNDERGRAD RESEARCHER

Fall 2015 | Davis, CA | Worked with Professor [Kwan-Liu Ma](#)

- Living Liquid** - An interactive visualization of marine animal migration using a tangible object and touchscreen interface. It utilized a multitouch table and is currently on exhibition at the Exploratorium.
 - Set up the tuio server by **Express** and visualize the fiducial panels.
 - Fixed **Node** server, livereload and rebuilt the **Gulp** pipeline.
 - Created an algorithm to measure the exact location of the panels.
- Neuroscience Research** - Explore the relations between regions of interest of brain by D3.js.

SJTU BASICS LAB (DATA VIS) | UNDERGRAD RESEARCHER

Summer 2015 | Shanghai, China

Worked with [Xiaoju Dong](#) at Shanghai Jiao Tong University.

Utilized D3.js to visualize the chemical analysis data of wine and the customer survey data of a hotel.

AWARDS

2016	Most Innovative Hack	HackDavis
	Best UX With Amazon Alexa	
2016	1st/80	UC Davis Algorithm Hackathon
2015	Division 1 Honorable Mention	ACM-ICPC Pacific Northwest Region
2015	Best Collaboration Hack using Moxtra	HackingEDU
2015	2nd/50	Microsoft Coding Competition, UC Davis
2014	2nd place	Chinese National Olympiad in Informatics (NOIP)
2013	2nd place	Chinese National Olympiad in Informatics (NOIP)

PROJECTS

- Developed a npm package, [angle-to-direction](#) with 1400+ downloads.
- Developed a [realtime chatroom](#) with React, express, socket.io, and mongoose.
- Developed a graphql server with sequelize, Express, and MySQL.
- Developed a website for [SiliconHacks](#) with React and Nodejs.
- Major contributor of [hackathon-starter](#) (13700+ stars).
- Contributed to [D3.js](#), [React.js](#), open source Python [competitive programming server](#), [open source development guide](#) (870+ stars) on Github.
- Contributed to [ZhihuPersonalizedSearchEngine](#), a search engine which scraps data from Zhihu and can make recommendations by machine learning.
- Developed over 10 data visualization projects with D3.js.
- Developed a React [calculator](#) and several other demos with.
- Developed a simple authentication system with Node.js, passport, and mongoose.