

# 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 List (All Quarters)

Cum. GPA: 4.0 / 4.0

Major GPA: 4.0 / 4.0

### 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](http://www.linkedin.com/in/minweixu)

## SKILLS

### FRONT-END PROGRAMMING

Javascript (ES2015, ES6) • JSX  
HTML/CSS • Bootstrap • SASS  
React.js • D3.js • Lodash.js • jQuery  
Gulp • browserify • watchify • babelify  
ESLint (airbnb) • 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 • LaTeX

## LANGUAGES

### ENGLISH

FULL PROFESSIONAL PROFICIENCY

### MANDARIN

NATIVE PROFICIENCY

### FRENCH

ELEMENTARY PROFICIENCY

## EXPERIENCE

### NEWA TECH | FULL STACK DEVELOPER

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