

Xiaohan ZHU

<http://xhzhu.me>

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EDUCATION

Zhejiang University, Hangzhou, China

Sep 2015 – Present

Bachelor of Agricultural Science, Expected Jun 2019

GPA: **3.95/4.0** Ranking: **1/33**

Queensland University of Technology, Brisbane, Australia

Feb 2018 – Jun 2018

Exchange Student, Interaction Design

GPA: **6.667/7.0**

EXPERIENCE

State key lab of Computer-Aided Design & Computer Graphics (CAD&CG)

Jun 2018 – Present

Research Assistant (Advisor: Prof. Wei Chen)

Zhejiang University, Hangzhou, China

- Utilized a **C++** library on GitHub to serialize and deserialize a data structure which hierarchically approximates the aggregated values of data based on JSON
- Conducted unit tests on IO and other modules through Google Test

Zhejiang University International Summer School on Visual Analytics

Jul 2018 – Aug 2018

Organizer, Participant

Zhejiang University, Hangzhou, China

- Organized the summer school with 12 lecturers and more than 150 participants
- Participated in the lectures and tutorials of advanced techniques for big data visualization and visual analytics

PROJECTS

TangPoet – data visualization of Chinese female poets

Jun 2018 – Sep 2018

Project Manager, Front-end Developer, Designer

State key lab of CAD&CG, Zhejiang University

- **Published** by Xinhua Net – Chinese most significant press and received more than 100,000 views
- Implemented a responsive and adaptive interactive web system visualizing data using **React.js** and **D3.js**
- Resolved module dependency, version control and system deployment with **Webpack** and **Git**

ReadyPlayerOne – an independently developed creative game

Mar 2018 – Jun 2018

Software Engineer, Interaction Designer (Advisor: Dr. Jared Donovan)

Queensland University of Technology

- Utilized **UML**, especially sequential and class diagrams during system design
- Adopted different OOP design principles and algorithms in **Java** and **Processing**
- Maintained readability of the project following Google Java Style Guide

PlantSearch – a query system for landscape architects in Hangzhou, China

Feb 2019 – Present

Software Engineer, Designer

Zhejiang University

- Implemented a query system for plants in Hangzhou, using Django as the Web framework
- Expected to use jQuery and Bootstrap to implement interactive user interface

EarthquakeMap – visualization of real-time worldwide earthquakes

Mar 2018 – Apr 2018

Software Engineer

University of California San Diego, Coursera

- Searched and sorted data of earthquakes and visualized their attributes using UnfoldingMaps **Java** library
- Implemented events and buttons responding to user interactions in GUI application

TextEditor – an auto-correct text editor with multiple functions

Apr 2018 – May 2018

Software Engineer

University of California San Diego, Coursera

- Worked with Strings and Regular Expressions in **Java** to generate the Flesch Readability Score of user input
- Utilized Linked List and Tries for Markov Chain auto-complete text and Hash Map for calculating edit distance

AWARDS

China National Scholarship (*Top 2%*)

Sep 2017

Zhejiang Provincial Government Scholarship (*Top 5%*)

Oct 2016

Zhejiang University First Prize Scholarship (*Top 8%, Twice*)

Sep 2016, Sep 2017

CERTIFICATES

Mathematics

- Mathematics for Machine Learning: Linear Algebra ([view](#))
- Combinatorics and Probability ([view](#))
- Introduction to Graph Theory ([view](#))

Imperial College London, Coursera
University of California San Diego, Coursera
University of California San Diego, Coursera

Computer Science

- Programming Fundamentals in C ([view](#))
- Writing, Running, and Fixing Code in C ([view](#))
- Object Oriented Programming in Java ([view](#))
- Intermediate C++ ([view](#))
- Advanced C++ ([view](#))
- Data Structures and Performance ([view](#))
- Advanced Data Structures in Java ([view](#))
- Social Computing ([view](#))
- Designing, Running, and Analyzing Experiments in R ([view](#))
- Introduction to Operating Systems (*No Certificate Provided, [view course](#)*)

Duke University, Coursera
Duke University, Coursera
University of California San Diego, Coursera
Microsoft, edX
Microsoft, edX
University of California San Diego, Coursera
University of California San Diego, Coursera
University of California San Diego, Coursera
University of California San Diego, Coursera
Georgia Tech CS 8803, Udacity

Interaction Design

- Human-Centered Design: An Introduction ([view](#))
- Information Design ([view](#))
- Input and Interaction ([view](#))
- User Experience: Research & Prototyping ([view](#))
- Design Principles: An Introduction ([view](#))

University of California San Diego, Coursera
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