Yizheng Shi

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EDUCATION

College: *University of Wisconsin-Madison* **Sept 2020 - now**
Cumulative GPA - 4.0/4.0 Dean's List *Computer Science and Data Science*

High School: *The High School Affiliated to Fudan University* **Sept 2017 - May 2020**
Cumulative GPA 3.85/4.0

COURSEWORK / SKILLS

- Data Structures
- Algorithm
- Java/Python/C
- MongoDB
- Node.js
- ReactJS
- Machine Learning
- Web Crawler
- R
- HTML/CSS
- Javascripts
- Git

PROJECTS

Music Selection APP Java, Python Crawler, HashTable, Junit Test, Git, Linux **March 2021**
- Fully understand Hashtable data structure. Write a mini API for the HashtableMap. Data Wrangler used python crawler to scrape data from a music website. Backend used Hashtable to efficient manage data. Frontend designed a web page to achieve customer and computer interaction.

Mini Expedia Flight Planner Python, Java, Graph, RedBlackTree, Dijkstra, Git, Ubuntu **June 2021**
- Fully understand Graph, RedBlackTree data structure, and Dijkstra algorithm. Write mini API for Graph by using Dijkstra Algorithm, and RedBlackTree. Data Wrangler scraped geopandas dataframe from internet to a csv file. Backend used RBT and Graph Algorithm to select flight for users based on different preference. Frontend designed a page to achieve user and computer interaction.

Pandas Kitchen React, Redux, Express, Node.js, MongoDB, Antd **Dec 2021 - now**
- This is a full stack application used for food order delivery. React and redux firstly achieve the customer and computer interaction to show menu, order foods, and enter delivery address. The MongoDB store, process the data and give out the list to the Kitchen. Express and Node API parse the request and send orders. Kitchen will receive the info, complete the order, and give out updated status to the user page.

RESEARCH

Undergraduate Research Assistant **June 2021 – August 2021**
Assist research on Computer Database Management System of secure data processing. *Madison, WI*

TECHNICAL SKILLS

Languages: Java, Python, C, HTML, CSS, JavaScript, SQL, R, React
Developer Tools: VS Code, Intellij Idea Ultimate, Eclipse, Jupiter, PyCharm
Technologies/Frameworks: Linux, GitHub, ReactJS, Redux, Git, MongoDB

EXTRACURRICULAR

Cybersecurity UW **Sept 2021 – now**
Team Member participate in hacking UW wifi to enhance stability and security. *Comp Sci Dept. Room 1240*

Code for Good's club UW **Jan 2021 – now**
Improved and developed features of "Coding for Good's" website. *Comp Sci Dept. Room 1240*

Linear Algebra Note Taker **Sept 2021 – Dec 2021**
Math 340 Linear Algebra note taker for UW-Madison McBurney Disability Resource Center. *Remote Server*

CERTIFICATIONS

- Web Dev - Coursera
- Node with React: Fullstack Dev - Udemy
- MongoDB Basics
- React Complete Guide - Udemy
- Web Design Basics
- Machine Learning - Coursera
- Python Web Crawler