

FRED LIN

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WORK EXPERIENCE

Undergraduate Teaching Assistant

The Ohio State University

Columbus, OH

📅 August 2019 – December 2019

- Held weekly office hours to help students with C programming.
- Assisted the course instructor in grading homework, quizzes and labs.

Undergraduate Research Assistant

The Ohio State University

Columbus, OH

📅 September 2019 - November 2019

- Conducted data analysis on cell images using Python and Excel.

PERSONAL PROJECTS

Sorting Algorithm Visualizer 🔄

Angular, Angular Material, Bootstrap, HTML, CSS

📅 May 2020 – May 2020

- Built an Angular application that visualizes several sorting algorithms.
- Designed and implemented animations for quick sort, merge sort, selection sort, insertion sort and bubble sort.

Path Finding Visualizer 🔄

React, Material UI, Bootstrap, HTML, CSS

📅 June 2020 – June 2020

- Built a React application that visualizes several path finding algorithms.
- Designed and implemented animations for depth-first search, breadth-first search and A* search.
- Users can draw walls on the grid to add variation to the path finding process.

Project Manager Web Application 🔄

Angular, Node.js, Express.js, MongoDB, HTML, CSS, Mongoose

📅 June 2020 – Present

- Designed and implemented a full-stack web application for users to manage projects.
- Users can add sub-tasks to each project and also manage the completion status of each task.

Burger Builder Web Application 🔄

React, Redux, Axios, Firebase, HTML, CSS

📅 June 2020 – July 2020

- Built a React application that allows users to build and order customized burgers.
- The user interface can dynamically show the ingredients that are added to the burger.
- Users can create accounts and review their order history.

EDUCATION

B.S. in Computer Science and Engineering

The Ohio State University

Columbus, OH

📅 Aug 2016 – May 2020

GPA : 3.8/4.0

SKILLS

Languages:

Java JavaScript TypeScript C

HTML CSS SQL

Technologies:

Angular React MongoDB Node.js

Express.js Firebase MySQL

Bootstrap Linux Git GitHub

Others:

English Mandarin

Agile Development UI Design

ACHIEVEMENTS

- Graduated Magna Cum Laude from the Ohio State University. 2020
- Served as an on-campus math tutor at OSU for 3 semesters. 2018-2019

CERTIFICATIONS

- Angular - The Complete Guide - Udemy
- React - The Complete Guide - Udemy
- NodeJS - The Complete Developer's Guide - Udemy
- MongoDB - The Complete Developer's Guide - Udemy
- Angular & NodeJS - The MEAN Stack Guide - Udemy
- Responsive Web Design and Web Development with HTML5 & CSS - Udemy