

Jiayu (James) Wu

College Station, TX · 832-208-5687 · sportyjames2000@tamu.edu

[LinkedIn](#) · [Personal Website](#) · [Github](#)

EDUCATION

Texas A&M University — College Station, TX

Expected May 2023

- B.S. Computer Science, Minor in Statistics | **GPA: 3.89** | **Major GPA: 4.0**

SKILLS

Programming Language: JavaScript(NodeJS), Java, Python, C++, PHP, R, HTML, CSS(SASS)

Framework/Library: ReactJS, Redux, Bootstrap, ExpressJS, Django, Flask, Yii2, Swing

Database: MongoDB, MySQL, PostgreSQL, MS SQL, Mongoose, Sequelize

Tools: Git, AWS, Heroku, Docker, Jenkins, Chrome Dev Tool, LaTeX, Excel

WORK EXPERIENCE

Full Stack Web Developer — TAMU Rural and Community Health Institute

May 2021 - Present

- Programmed the Front End of Peer Review web application for medicals in **ReactJS** and **Redux**
- Optimized form state management by 100% using **React Final Form** library
- Designed data structure to organize redux store and used **React PDF** library to display data on browser in PDF
- Constructed MS SQL database tables using **Sequelize**
- Involved with all stages of Software Development Lifecycle using **Agile Methodology**

Computer Science Peer Teacher — TAMU Computer Science Department

Jan 2021 - Present

- Advanced CS students' understanding of C++, **data structure & algorithms**, and discrete math
- Enhanced **debugging** skill through reviewing over 100 students' code
- Adopted diverse teaching methods including tablet sketching, remote computer control, and resource sharing

PROJECTS

Travel Expert — A full stack web app helps to solve flight scheduling problem

Jun 2021 - Jul 2021

- Browsed flights over 50 countries and performed **DFS algorithm** to merge flight tickets in requested order. Implemented **flight simulation** between destinations in an interactive map provided by **mapbox API**
- Integrated **PassportJS** for user authentication and client-side, server-side validation. Used **Express-Sanitize** library to prevent SQL injection and Cross Site Scripting attack
- Developed in **EJS**, **Node.js**, **Express**, and **MongoDB**. Deployed final product on **Heroku** cloud server

Hiphop Flea Market — A full stack eCommerce web application

Apr 2021 - Jun 2021

- Built a **SPA** with interactive UI using ReactJS, **React router**, React Bootstrap, and managed state with **Redux**
- Developed highly extensible **REST APIs** by implementing Django-style routing, ORM, authentication and admin
- Implemented backend system interacted with PostgreSQL using Django Framework
- Built a continuous **CI/CD pipeline** integrated with Github, Docker, Jenkins, and **AWS** Services

COVID Survey Collector — A full stack web app collects users' COVID symptoms

May 2021 - Jun 2021

- Implemented REST API services using **MVC architectural pattern** from yii2 framework
- Generated **CRUD** functionalities for user survey
- Added Jumbotron, Navbar, Carousel **Bootstrap** features.

Aggie Community Service Board — A full stack web app manages volunteering events

Sept 2020 - Oct 2020

- Employed the modern **responsive** website design for the front-end
- Engineered the connection of PHP and **MySQL** database in the backend
- Utilized PHP **Session** variables for maintaining user login status

ORGANIZATIONS

Aggie Web Developer Club

Aug 2020 - Present

- Collaborated with club members on full-stack applications using Git and Slack

Aggie Coding Club

Sept 2019 - Present

- Redesigned the member portal of the Aggie Coding Club's website in Front-end Language