

Wilson Wu

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EDUCATION

Emory University | GPA: 4.00/4.00

Prospective B.S. in Computer Science (2024)

Select Courses: Object-Oriented Programming, Intro to Data Structures & Algorithms, Computer Architecture & Machine Level Programming, Calculus I, Calculus II, Linear Algebra

PERSONAL PROJECTS

Calendar Sync (Full Stack) | github.com/wu-wilson/calendar-sync

Designed and implemented a full-stack web application for organizing group work. Implemented server API, SQL database queries, and client from scratch. The application generates a shareable calendar and to-do list. Allows 20+ users to access a calendar at once, and changes are updated live in real-time. Developed form submission handlers to organize user feedback. (Typescript, React, Node.js, mySQL, Express, Axios, Socket.io)

Sorting Visualizer (Front-end) | wu-wilson.github.io/sorting-visualizer

Designed and implemented a front-end web application for visualizing sorting algorithms. The application displays a set of bars which are colored and animated until they become sorted. Applied React Hooks to enable users to dynamically adjust animation speed and list size. Integrated CSS flexbox and media queries to create responsive layouts for different device sizes. (Typescript, React, gh-pages)

Personal Website (Front-end) | wu-wilson.github.io

Created a responsive front-end personal website. Designed and created a custom dark-mode toggle from scratch. Implemented smooth scrolling that is supported and accessible across different browsers. Developed custom layouts for different device sizes using CSS media queries. Created a custom, responsive navigation bar from scratch using different React Hooks and CSS. (Typescript, React, react-scroll)

CURRENTLY BUILDING

Messenger Clone (Full Stack) | github.com/wu-wilson/messenger-clone

Creating a clone of Facebook Messenger. Implementing server API, SQL database queries, and client from scratch. Integrating custom user authentication. (Typescript, React, Node.js, mySQL, Express, Axios, Socket.io, Bcrypt)

LEADERSHIP

Team Captain, Montgomery Science Olympiad | Sept. 2018 – June 2020

Led the Montgomery High School Science Olympiad team in regional and state level tournaments. Directed 40+ team members. Coordinated meeting logistics and tournament registration. Spearheaded fundraising initiatives (\$8,000+) and program expansion.

SKILLS

Languages: [TypeScript](#), [Java](#), [Python](#), [JavaScript](#)

Frameworks/Database: [React](#), [Node.js](#), [mySQL](#), [PostgreSQL](#), [Tailwind CSS](#)

NPM Libraries: [axios](#), [express](#), [cors](#), [body-parser](#), [dotenv](#), [socket.io](#), [nodemon](#), [chart.js](#), [moment.js](#), [react-router-dom](#), [aos](#), [emailjs-com](#), [styled-components](#)

Additional Tools: [Netlify](#), [MySQL Workbench](#), [github](#)

AWARDS

Dean's List of Emory College of Arts & Sciences | Fall 2020 - Present

AP Scholar with Distinction | July 2019