

# Wilson Wu

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## EDUCATION

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**Emory University** | GPA: 4.00/4.00

Prospective B.S. in Computer Science (May 2024)

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

## WORK EXPERIENCE

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**Software Engineer (Full Stack) – Sikka Software** ([sikkasoft.com](https://sikkasoft.com)) | Aug. 2021 – Present

Created browser notifications to alert users of successful HTTP requests. Implemented custom endpoint and wrote dynamic SQL queries to fetch client data based on selected criteria. Used Jira Software to work in an agile environment. Ongoing, TBD. (JavaScript, React, MySQL, C#, Jira Software)

## PERSONAL PROJECTS

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**Calendar Sync (Full Stack)** | [github.com/wu-wilson/calendar-sync](https://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](https://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](https://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

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**Messenger Clone (Full Stack)** | [github.com/wu-wilson/messenger-clone](https://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

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**Team Captain, Montgomery Science Olympiad** | Sep. 2018 – Jun. 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

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**Languages:** TypeScript, Java, Python, JavaScript, C#

**Frameworks/Database:** React, Node.js, MySQL, Tailwind CSS

**NPM Libraries:** axios, express, cors, body-parser, dotenv, socket.io, nodemon, chart.js, victory-chart.js, moment.js, react-router-dom, aos, emailjs-com, styled-components

**Additional Tools:** Netlify, MySQL Workbench, GitHub, Git, Jira Software, Visual Studio

## AWARDS

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

AP Scholar with Distinction | July 2019