

# Wilson Wu

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## EDUCATION

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**Emory University** | GPA: 3.97/4.00

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

**Select Courses:** Object-Oriented Programming, Data Structures & Algorithms, Computer Architecture & Machine Level Programming, Database Systems, Calculus I, Calculus II, Linear Algebra, Discrete Mathematics

## WORK EXPERIENCE

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**Software Engineering Intern (Full Stack) – Fidelity Investments** ([fidelity.com](https://fidelity.com)) | Jun. 2022 – Present

Integrated custom UI components and unit tests for a personal investing web application (JavaScript, React, Jest, Jira Software). TBD.

**Software Engineering Intern (Full Stack) – Sikka Software** ([sikka.ai](https://sikka.ai)) | Aug. 2021 – May 2022

Created custom UI components for a data analytics web application using React Hooks. Implemented custom endpoints and wrote dynamic SQL queries to fetch client data based on selected criteria. Used Jira Software to work in an agile environment. Led migration to SASS and Highcharts. (JavaScript, React, SASS, 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 (Frontend)** | [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 media queries to create responsive layouts for different devices. (TypeScript, React, gh-pages)

**Personal Website (Frontend)** | [wilsonwu.dev](https://wilsonwu.dev)

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)

## SKILLS

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

**Frameworks/Database:** React, Node.js, MySQL, PostgreSQL

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

**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