Wilson Wu

Atlanta, GA | 908-210-4572 | wcwu@emory.edu | github.com/wu-wilson | **wu-wilson.github.io** | linkedin.com/in/wils-wu

EDUCATION

Emory University | Atlanta, GA
Prospective B.S. in Computer Science (May 2024)
GPA: 4.00/4.00

Montgomery High School | Skillman, NJ
High School Diploma (June 2020), *High Honors*
GPA: 4.00/4.00

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 in real-time. (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. Displays a set of bars which are colored and animated until they become sorted. Applied multiple 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 fully responsive front-end personal website. Designed and created a custom dark-mode toggle from scratch. Used react-scroll to implement smooth scrolling that is accessible across different browsers. Developed custom layouts for different device sizes using CSS media queries. (Typescript, React, react-scroll)

CURRENTLY BUILDING

Messenger Clone (Full Stack) | github.com/wu-wilson/messenger-clone
Designing 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 | Sep. 2018 – June 2020
Led the Montgomery High School Science Olympiad team in regional and state level tournaments. Directed 40+ team members. Coordinated meeting/travel 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