Yihui Hu

yihui.hu@tufts.edu • (781) 957-8508 • <u>yihui.work</u> • <u>github.com/yihui-hu</u>

EDUCATION

Tufts University Expected Dec 2024
BS, Computer Science, 3.98/4.0 GPA *Medford, MA*

- **Relevant Coursework**: Machine Structure & Assembly, Algorithms, Data Structures, Database Systems, Web Programming, OOP Graphical User Interface, Linear Algebra, Discrete Math
- **Activities/Community:** Newsletter Editor, Tufts Product Studio; Developer, JumboCode

EXPERIENCE

<u>Markit</u> May 2023 — now
SWE Intern *Boston, MA*
- Building the future of events through a fully integrated ticketing & texting platform

<u>JumboCode</u> Oct 2022 — May 2023
Developer *Medford, MA*
- Working with 10 other student developers to build a web app using React, TypeScript, MongoDB and Prisma for MassKids, a non-profit organization
- In charge of connecting frontend elements to backend APIs and related infrastructure
- Pair-programming with other members, completing biweekly tickets under the Agile methodology

<u>UniBridge SG</u> Jul 2021 — May 2022
Design & Marketing Lead *Singapore*
- Led design for overall brand development and identity of UniBridge
- Mentored new members on using Figma for design organization and maintenance
- Worked closely with Events team on newsletter initiatives using Mailchimp

PROJECTS

<u>henesys</u> — https://henesys.online Dec 2022 — now
- A barebones, community-focused & PWA-ready bookmarking app (think <u>Are.na</u>/<u>Pinterest</u>)
- Designed for super fast addition and lookup of bookmarks with tag-based system
- Implemented custom text, URL & file upload APIs, alongside custom authentication with JWT and bcrypt

<u>arithJS</u> — https://arith.vercel.app Nov 2022
- CLI image (de)compressor built in C, ported to JavaScript as a GUI on the web
- Built custom table for ASCII encoding/decoding, refactored discrete cosine transformations, quantization and bit manipulation logic required for (de)compression.

<u>pokéSearch</u> — https://pokesearch.xyz May — Jun 2022
- A simple, streamlined encyclopaedia of Pokémon
- Built using React, data extracted from PokéAPI using Axios

SKILLS

- **Languages** C, C++, HTML/CSS/TypeScript – Learning Python, SwiftUI
- **Frameworks/Libraries/Etc.** React, Next.js, Node, MongoDB, Express, AWS
- **Tools** Git, Figma, Sketch, Adobe Photoshop & Illustrator, Visual Studio Code