Mingkuan Yan

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EDUCATION

Georgia Institute of Technology   **Atlanta, GA**
Bachelor of Science in Computer Science, GPA 4.00   *Expected Graduation, May 2025*

- **Concentrations:** Intelligence (AI) and Media
- **Relevant Coursework:** Design and Analysis of Algorithms, Computer Architecture, Data Structures and Algorithms, Object-Oriented Programming, Computer Graphics, Computing in Python, Probability and Statistics, Linear Algebra
- **Organizations:** Georgia Tech Varsity Rowing (18 hours and 90,000 meters per week), Symphonic Band, Chick fil-A

SKILLS

Languages: JavaScript, Python, TypeScript, HTML, CSS, Java, C++, C, Assembly (LC-3), SQL, GLSL, Scheme
Tools: React, Angular, React Native, Node.js, Firebase, Express, Flask, Bootstrap, Tailwind, Bash, Git, Figma, ArcGIS, Excel, JUnit
Professional Interests: Web/Mobile/Full-Stack Development, Geospatial Development, Artificial Intelligence, Machine Learning
Hobbies: Playing French horn, traveling (Visited 26/63 National Parks), Duolingo (1,788-day streak), photography

PROJECTS

Ensemble (ensemblesocialmusic.com) | Angular, TypeScript, HTML, CSS, Figma   *October 2023 – Present*

- Co-developed a social music platform with 817 users for musicians to effortlessly collaborate and remix each other's music
- Self-learned **Angular** and **TypeScript** by translating React and JavaScript knowledge to work with the existing codebase
- Committing 25 hours per week collaborating with Cornell, RIT, and Iowa students to learn necessary skills, brainstorm project ideas, and beta test the app for development with the goal of continuously growing the user base
- Spearheading Ensemble Studio: Ensemble's desktop version with a remix feature, feed, user profile, and leaderboard pages
- Designed 20 responsive **Figma** mockups from scratch for the desktop user profile page, including light and dark modes
- Developing and designing a digital audio workstation for both mobile and desktop for users to mix and publish their music

Netwark @ MIT Reality Hack (github.io/netwark) | JavaScript, HTML, CSS, Firebase, Figma   *January 2024*

- Built an augmented reality-backed networking assistant that incorporates facial recognition to facilitate team formation
- Designed and implemented a visually engaging UI for users to input networking interests to the **Firebase** backend

Bite @ HackMIT | React, JavaScript, HTML, CSS, Node.js, Fetch API, Python, Flask   *September 2023*

- Created in 24 hours a full-stack intelligent wearable accessory that tracks daily nutritional intake with a flick of the wrist
- Developed a functional, aesthetic, and interactive UI through **HTML**, **CSS**, and **React**, employing the **Fetch API** to integrate computer vision from the **Log Meal API**, user health data from **Flask**, and personal nutrition feedback from GPT-3.5

Polaris | React, Python, JavaScript, HTML, CSS, ArcGIS Maps SDK, Firebase, Bootstrap, Express   *August 2022 - Present*

- Created a multi-page travel blogging website that allows users to log, share, and interact with their travel history
- Utilized the **ArcGIS Maps SDK** to increase map accuracy and seamlessly blend trip planning and online exploration
- Dedicated 100 hours to self-learn **React**, **JavaScript**, **HTML**, and **CSS** to practice replicating existing web pages

GeoSurfer Chrome Extension | JavaScript, HTML, CSS, Fetch API, Firebase   *January 2024 - Present*

- Designed, developed, and published a Chrome extension tracking how much time users spend browsing Google Maps
- Working towards a leaderboard panel to showcase the top 5 users with the most time spent to create positive competition

Kanjiro | React, Python, JavaScript, HTML, CSS, MongoDB, Node.js, Bootstrap, Vite   *January 2024 - Present*

- Developing an e-commerce site facilitating group buying to more effectively fundraise for Joey's Wings Foundation
- Building functionality for online shopping, business-to-customer communication, and friend-to-friend product exchange

AWARDS

HackMIT Terra $2k Award: Rewarded 1st Place by the developer-to-developer startup, Terra, for utilizing their health-tracking API in our intelligent smartwatch, allowing us to enhance the user experience by pairing calorie data with our computer vision model

USACO Silver: Earned after months of regular practice on competitive coding platforms to perfect algorithmic coding skills

Eagle Scout: Awarded the rank of Gold Palm after earning 33 merit badges, serving 3 semesters on the Troop 31 council, portaging a mile with a 70 lb backpack on the Canadian border, and leading a team to sew 7,029 masks for pediatric patients as my Eagle Project