Mona(Yimeng) Yin

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EDUCATION

Northeastern University   *Sep 2022 – Dec 2025 (Expected)*
M.S. in Computer Science, GPA: 4.0   *Seattle, WA*
Courses: Data Structures, Algorithms, Discrete Structure, Web Development, Database Management, Object-Oriented Programming
University of British Columbia   *Aug 2019 – May 2022*
Bachelor's in Psychology   *Vancouver, CA*

PROJECTS

QuickPickCar | Car Rental Web Application | Live Demo   *Jun 2023 - Sep 2023*

- Developed a full stack car rental web application in **TypeScript**, enabling users to filter and pick vehicles by manufacturer, model, fuel type, and year.
- Utilized **Next.js,** harnessing App Router and Server-Side Rendering, resulting in fast page loads and optimized **SEO** outcomes.
- Created custom UI components (filters, comboboxes, modals) with **Tailwind CSS** and **Headless UI**.
- Integrated and managed external APIs reliably fetch detailed car specifications and imagery.

Minimalist E-commerce | E-commerce Web Application | Live Demo   *Mar 2023 - May 2023*

- Engineered a dynamic e-commerce platform with **Next.js** and **React**, enabling users to navigate through product categories, access detailed information, and efficiently manage their shopping bags via **Server-Side Rendering**.
- Demonstrated proficient **API management** by seamlessly integrating **Stripe** for payment processing and **Sanity**.io for real-time content updates.
- Implemented React's **Context API** specifically for robust **state management**, providing users with instantaneous feedback on cart changes, item availability, and seamless navigation throughout their shopping experience.
- Utilized **Vanilla CSS** to craft a sleek, modern interface accentuated with fluid animations.

PickMe | Photo Album Web Application | Live Demo   *Oct 2022 - Dec 2022*

- Built an online photo album with **React**, enhanced with **Framer Motion** for fluid photo transitions.
- Implemented **Firebase** Authentication for user registration and utilized Cloud Firestore to store data for registered users.

Data Collector ｜ Data Management Web Application   *Jul 2022 - Aug 2022*

- Created a full-stack web application using **Python** and **Flask** to collect user ages, implementing user authentication via **Google Auth**.
- Utilized **PostgreSQL** for data persistence, and automated email notifications to provide users with average age insights.

SKILLS

- **Languages**: Python, JavaScript, Java, C/C++, SQL, HTML, CSS, TypeScript
- **Frameworks/Tools**: Git, ReactJS, Node.JS, Express, Flask, MongoDB, Next.JS, PostgreSQL, Figma