Freeman Jiang
Full Stack Web Developer

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EDUCATION

University of Waterloo   **Sep 2021 - Apr 2026**
Bachelor of Computer Science (Co-op), Term Dean's Honours List   GPA: 3.94/4.00

SKILLS

Programming Languages: JavaScript/TypeScript, HTML, CSS, Solidity, Racket, C, Bash
Libraries & Frameworks: React, Next.js, Express, Ethers.js, Chakra UI, Bootstrap
Technologies: GraphQL, MongoDB, Firebase, Node.js, Hardhat, Vercel, Git

EXPERIENCE

Seeko (NEXT36) | Frontend Developer   Nov 2021 - Present | Remote
- Thrived in a fast-paced, pre-seed startup environment, learning new tools and filling different roles
- Took ownership of user onboarding & login flow, working closely with a designer to modernize the UI
- Created modular, fully responsive React components and interfaced frontend with GraphQL server
- Initiated the transition towards a Next.js frontend structure, projected to reduce load times by 30%
- ⚙ Technologies: TypeScript/JavaScript, React, Redux, Chakra UI, GraphQL, Apollo Client, Git

UW Entrepreneurship Society | Full Stack Developer   Sep 2021 - Dec 2021 | Remote
- Built out the UI + API for a hiring portal connecting local clubs and startups with Waterloo students
- Created an algorithm to aggregate role postings, mentored by tech lead on good coding practices
- ⚙ Technologies: JavaScript, React, Next.js, Node.js, Express, MongoDB, Mongoose, Docker, Git

Google | Computer Science Summer Institute (CSSI)   ○ *petlify* ○ *firenotes*   Jul 2021 - Aug 2021 | Remote
- Completed a 4-week, intensive computer science summer program for high-achieving students
- Built and presented 15 daily projects in a JavaScript & Firebase curriculum taught by Google engineers
- Co-developed a full stack "Tinder for Pets" web app using the Petfinder API and token authentication
- Utilized Firebase to authenticate users and save user preferences & matches in a database
- Created a note-taking app with CRUD operations and separate workspaces for different users
- ⚙ Technologies: Firebase (Real-Time Database, Authentication, Hosting), OAuth 2.0, Git, Bulma, HTML, CSS, JS

Towards Data Science | Freelance Writer   Nov 2019 - Jun 2021 | Remote
- Wrote educational articles on data science topics like computer vision, GANs, and artificial intelligence
- Collaborated with editors to produce content reaching 20K+ viewers on Medium

PROJECTS

EthRPS | Personal Project   ○ *eth-rps*
- Designed and deployed a decentralized, rock paper scissors betting game to the Ethereum blockchain
- Enabled concurrent games with automatic payouts and a search feature for game/player history
- Implemented a cryptographically secure commitment protocol by generating a client-side nonce
- Developed the application from scratch in Chakra UI and connected it with the smart contract
- ⚙ Technologies: Solidity, Ethers.js, Hardhat, Infura, React, Next.js, Chakra UI, JavaScript, Vercel, Git

Nom | Hack the North   ○ *hack-the-north-2021*
- Created a web app to reduce food waste by searching for recipes with the user's current ingredients
- Learned Next.js and deployed a serverless project with React & Chakra UI in under 16 hours
- ⚙ Technologies: JavaScript, React, Next.js, Chakra UI, CSS, Spoonacular API, Vercel