

Freeman Jiang

Full Stack Web Developer

 mail@freemanjiang.com

 +1 613 879 4088

 Waterloo, Ontario

 Website

 GitHub

 LinkedIn

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, Redux, Chakra UI, Bootstrap

Technologies:

GraphQL, MongoDB, Firebase, Node.js, Hardhat, Vercel, Git

EXPERIENCE

Seeko (NEXT36) | Frontend Developer

Nov 2021 - Present

- 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

- 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)

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Jul 2021 - Aug 2021

- 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

- 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

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