Peter Lin

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EDUCATION

University of Waterloo Honours Computer Science Co-op Sep 2020–Apr 2025 *(expected)*

- Cumulative GPA: 3.9 (91.3%)

TECHNICAL SKILLS

Languages: JavaScript (TypeScript), SQL, GraphQL, CSS (SCSS), HTML, Python, Swift
Technologies: React (Next.js, Gatsby), React Native, Node (Express, Mongoose, Apollo), Tailwind
Tools: Git, AWS, Docker, Vim, Visual Studio Code, Xcode, Figma, Adobe CC

WORK EXPERIENCE

Software Engineer Intern | Fractional | San Francisco, CA Sep 2021–present

- Launched and grew real estate co-investing social platform as part of $30M company with <10 members
- Owned and shipped core features: private communities, referral system, contextual navigation sidebar, more
- Designed backend architecture and implemented business logic using **PostgreSQL**, **GraphQL**, **AWS**
- Created frontend components and pages in **React (Next.js)** with **Tailwind** and in-house design system

VOLUNTEER EXPERIENCE

Director of Web Development | Health for Homeless | Toronto, ON Sep 2020–present

- Prototyped 10+ responsive webpages in **Figma** and developed them with **React (Next.js)** in **TypeScript**
- Performed SEO and integrated payment processing API to power charity fundraisers that raised $2100

Technology Pod Member | Bayview Secondary School Music Department Sep 2019–Mar 2020

- Led team of 3 in building web-app to digitize the process of signouts of 80 instruments for 200+ students

PERSONAL PROJECTS

Ripple: iOS and Android puzzle game

- Developed **React Native** app, designed game mechanics, user experience, game assets, promotional graphics
- Optimized app navigation, audio, and animations to perform on 17141 Android models and all iOS models
- Produced development versions for 10+ test users, performed numerous bug fixes before production releases
- Achieved 100+ installs (5.0 star rating) on the App Store, 100+ installs (4.8 star rating) on Google Play

FundNet: Network to keep track of ways to save

- Developed API endpoints using **Express** and connected to **MongoDB** database with **Mongoose**
- Ensured type safety of queries and data on frontend and backend using **Apollo GraphQL** and **TypeScript**
- Developed frontend for both web (**React**) and mobile (**React Native**) to sign up, log in, and access listings
- Showcased at TOHacks 2020, won the Best Financial Hack award out of 169 project submissions

skatein.space: Skating visualizer for Spotify songs

- Built **React (Next.js)** frontend, integrated Spotify authentication flow and Spotify Web Playback SDK
- Created serverless functions to fetch user and song data from Spotify API and generate 3D terrain for songs
- Rendered 3D web graphics using **Three.js**, synchronized user view position with Spotify playback

ACCOMPLISHMENTS

- Won at four hackathons (out of ten): Best Lifestyle Hack at MasseyHacks VI, Best Financial Hack at TOHacks 2020, Best Health Hack at Electric City Hacks 2018, Best Use of HERE.com API at MHacks 11
- Canadian Computing Competition 2019: Honour Roll Group 2 (Rank 44 out of 2719 Senior contestants)