

Kevin Li

SOFTWARE ENGINEER · COMPUTER SCIENCE @ UNIVERSITY OF WATERLOO

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Education

University of Waterloo

Waterloo, Ontario

HONOURS BACHELOR OF COMPUTER SCIENCE CO-OP

Sep. 2018 - Apr. 2023

- 89.19% Cumulative Average
- Mathematics TA for MATH 135 in Fall 2019
- Courses: Algorithms, Computer Networks, Operating Systems, Data Structures, User Interfaces, Databases

Skills

Languages Java, Python, Golang, JavaScript, TypeScript, SQL, C++/C#

Technologies React, Redux, Node.js, GraphQL, Git, Bash, MongoDB, PostgreSQL, Docker, Linux, Redis, Firebase

Experience

Software Developer

Remote

1PASSWORD

Sep. 2021 - Dec. 2021

- Implemented new features, created unit and E2E tests, and improved the UX of the 1Password CLI V2 using **Golang**
- Added the ability to grant/revoke, view, and edit granular vault and group permissions on the CLI
- Fixed bugs and implemented UI changes for 1Password Web using **React**, **TypeScript** and **Golang**
- Created **Bash** scripts, configured **Dockerfiles** and modified CI/CD pipelines for packaging/deploying the CLI to Linux package managers

Full Stack Developer

Remote

MANULIFE – MANULIFE TECHNOLOGY

Jan. 2021 - Apr. 2021

- Developed new features, expanded unit tests, and fixed bugs using **React**, **Node.js**, **MongoDB** and **GraphQL**
- Reduced start-up load times by **15%** by employing code-splitting and removing redundant dependencies
- Implemented SSO and session management using Azure; resulted in persistent user settings, better UX and integration of per-user analytics

Software Developer and Data Scientist

Remote

ODAIA INTELLIGENCE

May. 2020 - Aug. 2020

- Made an interactive application using **React** and **Highcharts** to showcase the results of my research on Time/Phased LSTMs
- Created **Python** scripts that simulated test data providing a benchmark for testing models and hyperparameter optimization

Software Developer

Toronto, Ontario

INTELEX TECHNOLOGIES

May. 2019 - Aug. 2019

- Assisted in the development of a framework capable of storing geolocations using **C#**; prototyped in a SPA using **React**
- Worked in two-week sprints with **React**, **JavaScript**, **C#** and **SQL** to fix urgent platform defects and refactor legacy code

Projects

BanBucket

<https://www.banbucket.ninja>

AN APP THAT GIVES AWAY FREE CRYPTOCURRENCY

2021

- Developed a web app using **Golang**, **Typescript** and **React** which gives visitors free Banano (a fork of the cryptocurrency Nano) once daily
- Accumulated over **7000** total transactions with more than **2000** unique claims and a daily average of roughly **200** claims
- User data was stored in **Mongo** and the corresponding transaction information in **Firebase**; statistics were visualized using **Recharts**

Playbak

<https://bit.ly/32RXXVN>

A PRODUCTIVITY APPLICATION TO COMBAT THE WOES OF ONLINE SCHOOL

2021

- Developed an app using **Electron**, **React** and **TypeScript** that provides features to improve the experience of online schooling

AR Hand Gesture Battle Simulator

<https://bit.ly/3gKp1y8>

HACK THE NORTH 2019 WINNER

2019

- Built a model using **Keras** that detected various sequences of hand gestures as different abilities for the game.
- Constructed the back end using **Flask** which leveraged requests from the Voiceflow API and the hand sign recognition while also storing and updating the game state; this information was displayed in a **React** frontend onto a physical battle station