



# KEVIN LI

k289li@uwaterloo.ca |  [linkedin.com/in/kevinli230](https://www.linkedin.com/in/kevinli230) |  [github.com/kevinli23](https://github.com/kevinli23) | [kevin-li.vercel.app](https://kevin-li.vercel.app)

## TECHNICAL SKILLS

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**Languages:** Golang, Java, Python, C#/C++, SQL, TypeScript, JavaScript, HTML/CSS

**Technologies:** PostgreSQL, React, Node.js, Git, MongoDB, Unix, Docker, Redis, Firebase, Cassandra, RabbitMQ, AWS, Azure

## WORK EXPERIENCE

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**Splunk** May. 2022 - Present

Backend Engineer Intern

- Developing distributed microservices for the Cloud Native Mobile Team using **Golang** until August 2022

**1Password** Sep. 2021 - Apr. 2022

Software Engineer Intern

- Engineered the feature to grant, revoke and modify vault permissions with the 1Password CLI using **Golang**
- Automated the process of publishing of the CLI to various Linux package managers by writing **Bash Scripts**, creating **Dockerfiles** and modifying Gitlab CI/CD pipelines that package, sign, and upload the CLI binaries to **AWS S3**
- Reduced the time taken to publish a new release by **1 hour** by improving a **Golang** script that automatically generated markdown files for a documentation portal based on the 1Password CLI's help text
- Created technical proposals that highlighted the scope of features, their potential impacts, and suggested implementations; the most notable being revamping the CLI's format flag to be more flexible and accept custom **Golang** templates

**Manulife** Jan. 2021 - Apr. 2021

Software Engineer Intern

- Lead the prioritization of new features using **React**, **Node.js** and **MongoDB** for an internal tool used for agile retrospectives
- Increased internal usage by over **10%** by implementing single sign on and sessions with **Azure**, **CosmosDB**, and **Redis**
- Reduced start-up load times by **15%** by removing redundant dependencies and employing code splitting
- Utilized **Github API** and **Github Releases** to create a one time popup documenting new updates for every release

**Odaia** May. 2020 - Aug. 2020

Software Engineer Intern

- Reduced the time taken to create optimal **Tensorflow** models by **an hour** by creating a **Python** script that simulated test data providing a benchmark for testing and hyperparameter optimization
- Analyzed the effectiveness of using Time and Phased LSTMs to predict medical purchase trends using **Tensorflow**

**Intelix Technologies** May. 2019 - Aug. 2019

Software Engineer Intern

- Debugged and fixed various urgent application defects using **C#**, **SQL**, and **ASP.NET**
- Improved user experience of date formatting errors by syncing the validation of foreign dates between the client and server

## PROJECTS

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**BanBucket** <https://www.banbucket.ninja/>

An app that gives away free cryptocurrency

- Accumulated over **42500** total transactions with more than **6620** unique claims
- Developed an app using **Golang**, **Typescript** and **React**, giving visitors free Banano (a cryptocurrency) once daily
- Stored user data in **MongoDB** and transactional data in **Firebase**; statistics were visualized using Recharts

**Go/Place** <https://goplace.live/>

A collaborative drawing canvas

- Recreated Reddit's r/place (a million-pixel canvas where users simultaneously draw) using **Golang** and **React**
- Utilized **Redis** for fast retrieval of the canvas and **Cassandra** for persistent storage, this allowed the app to easily scale
- Developed a websocket service with **RabbitMQ** and **Golang** capable of sending concurrent updates to thousands of users

## EDUCATION

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**University of Waterloo** Sep. 2018 - Apr. 2023

Bachelors of Computer Science

GPA: 3.89/4.00