

Kevin Ding

UNIVERSITY OF WATERLOO - 3B COMPUTER SCIENCE

☎ (519) 729 0288 | ✉ k24ding@uwaterloo.ca | 🏠 tacticaltofu.github.io | 🐙 github.com/tacticaltofu | 💼 linkedin.com/in/ding-kevin/

Skills

Languages	Python, JavaScript, TypeScript, HTML/CSS, SQL, C/C++, Kotlin
Frameworks/Libraries	Flask, React, Redux, Next.js, Node.js, Express.js, Nest.js, tRPC, Apollo, GraphQL, Jest
Tools/Technologies	PostgreSQL, MongoDB, Snowflake, Docker, Postman, Selenium, Netlify, Heroku, JIRA, Git

Education

University of Waterloo

BACHELOR OF COMPUTER SCIENCE

Waterloo, ON

Sept 2019 - Present

- Average: **91%**, Major Average: **92%**, GPA: **3.92/4.0**
- Recipient of the Waterloo County Entrance Scholarship (**\$4000**) & President's Scholarship (**\$2000**)

Experience

Newfront

SOFTWARE ENGINEER INTERN

San Francisco, CA

Jan 2023 - Apr 2023

- Created an invoice templating feature using **React**, **tRPC**, and **Nest.js**, enabling the migration of **1,500+** client accounts
- Designed a system to support the billing of end-insureds from a parent account, saving **450+** days of labor annually
- Developed a mechanism to prevent the overbilling of policies, speeding up the invoicing workflow by **25%**
- Investigated and resolved **55%** of outstanding issues for a new feature used to automate the **1,100+** hour per month manual process of creating installment plans, enabling a successful company-wide launch

Gem

SOFTWARE ENGINEER INTERN

San Francisco, CA

May 2022 - Aug 2022

- Engineered a feature that automatically segments job candidates based on form responses using **React**, **Apollo**, **GraphQL**, and **Python**, helping to secure a client generating **over \$300,000** in ARR
- Designed a data model to persist routing logs using **SQLAlchemy** and **PostgreSQL**, providing analytics for **1,100+** forms
- Built a system to auto-populate candidate profiles using form data, increasing profile completeness by **20%**
- Developed full stack features for a **microsite builder** used to make landing pages with **30,000+** views

Super.com (previously Snaptravel)

SOFTWARE ENGINEER INTERN

Toronto, ON

Sept 2021 - Dec 2021

- Built a system to send push notifications to **500,000+** customers using **Python**, **Flask**, **PostgreSQL**, and **Protocol Buffers**
- Created user profile data syncs using **Hightouch**, **dbt**, and **Snowflake**, improving email notification performance by **70%**
- Implemented **Amplitude** tracking for payments, generating **millions** of data points on user transactions

The Co-operators

FULL STACK SOFTWARE DEVELOPER INTERN

Kitchener, ON

Jan 2021 - Apr 2021

- Redesigned an internal web portal in a small Agile team using **React/Redux**, **Node.js**, **Express**, and **MongoDB**
- Improved application performance by refactoring to use server-side pagination, reducing load times by **80%**
- Developed unit tests using **Jest**, **Enzyme**, and **SuperTest** to increase code coverage by **40%**

SAP

QUALITY ENGINEERING AUTOMATION DEVELOPER INTERN

Waterloo, ON

May 2020 - Aug 2020

- Built a **Chrome extension** that shaved off **30 minutes** from the automation review process every day
- Developed and maintained automation test cases for SAP HANA Cockpit and HRTT using **Python** and **Selenium**

Projects

MangaStack

Manga reader built with **React** which had **300+ daily users** and **40,000+ views** in May 2021

GitHub 

Feb 2021 - Jul 2021

- Optimized **full text search** of **50,000+** entries in **PostgreSQL**, reducing execution time from **5 seconds** to less than **100ms**

Weddit

GitHub 

Reddit clone with **180+ stars** on GitHub, built using **React/Redux, Express, and PostgreSQL**

Mar 2021 - May 2021

- Created a recursive **React tree component** to support nested comments and conversation threading