Kevin Ding

University of Waterloo - 3B Computer Science

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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   Waterloo, ON
BACHELOR OF COMPUTER SCIENCE   *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   San Francisco, CA
SOFTWARE ENGINEER INTERN   *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   San Francisco, CA
SOFTWARE ENGINEER INTERN   *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 data for **1,100+** forms
- Developed full stack features for a **microsite builder** used to make landing pages with **30,000+** views

Super (previously Snapcommerce)   Toronto, ON
SOFTWARE ENGINEER INTERN   *Sept 2021 - Dec 2021*
- Developed core features for a new digital wallet service using **Python**, **Flask**, **PostgreSQL**, and **Protocol Buffers**
- Built endpoints supporting **over 20** real-time push notifications, working with third-party provider **webhooks**
- Created data syncs using **Hightouch**, **dbt**, and **Snowflake** to segment users based on activity history
- Improved application monitoring by **30%**, logging key events to **Amplitude**, **Datadog**, and **Slack**

The Co-operators   Kitchener, ON
FULL STACK SOFTWARE DEVELOPER INTERN   *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   Waterloo, ON
QUALITY ENGINEERING AUTOMATION DEVELOPER INTERN   *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   GitHub ⧉
Web based manga reader with **40,000+ lifetime page views**, built using **React/Redux**   *Feb 2021 - Jul 2021*
- Achieved **over 300 daily users** in May and June 2021
- Implemented and optimized **full text searching** of over **50,000** comic entries in **PostgreSQL**, reducing average execution time from over **5 seconds** to less than **100ms**

Weddit

Reddit clone with **150+ 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

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