Kevin Ding

UNIVERSITY OF WATERLOO - 3B COMPUTER SCIENCE

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Skills

Languages	Python, JavaScript, TypeScript, HTML/CSS, SQL, C++, C
Frameworks/Libraries	Flask, React, Redux, Node.js, Express, 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: **90%**, Major Average: **92%**, GPA: **3.9/4.0**
- Recipient of the Waterloo County Entrance Scholarship (**$4000**) & President's Scholarship (**$2000**)
- **Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Compilers

Experience

Gem　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　San Francisco, CA
SOFTWARE ENGINEER INTERN　　　　　　　　　　　　　　　　　　　　*May 2022 - Aug 2022*

- Built and launched full stack form features to **1,200+** client companies using **React**, **Apollo**, **GraphQL**, and **Python**
- Engineered 'Forms Response Routing', a feature that enables customers to automatically segment candidates based on form submissions, helping to secure a deal generating **over $300,000** in ARR
- Designed a **PostgreSQL** database schema to preserve historically accurate candidate activity logs and routing statistics, allowing customers to gauge form success
- Developed a proof-of-concept **landing page builder** used by the go-to-market team in product demos

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　　　　　　　　　　　　　　　　　　　　　　　　　　　　GitHub
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