

Kevin Pierce

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SKILLS

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

Frontend React, Redux, HTML/CSS, Gatsby, Bootstrap, Figma

Backend Node.js, Express, Flask, GraphQL, MySQL, MongoDB, Heroku, AWS, GCP, Firebase

EXPERIENCE

Wish – Software Engineer Intern

San Francisco, CA / Jan 2022 – Apr 2022

- Developed **cron** scripts to audit and flag **600,000+** orders in **Presto**, improving runtime performance of payments-related **Mongo** queries from linear to constant time, reducing lookup times by **60%** on average
- Implemented country verification and automated email generation tools with **GraphQL** and **Python** to facilitate new merchant reporting feature for suspicious transactions
- Rewrote order fulfillment flow state machine, increasing code efficiency and test coverage by **25%** for module
- Added and integrated service-level logging using **SQL** and **Python** to improve merchant support ticket resolution

TRIYO – Software Engineer Intern

Toronto, ON / May 2021 – Aug 2021

- Architected and released core features with **React** for flagship performance-tracking dashboard, including PDF download functionality, user metric graphs, and custom filters
- Spearheaded functional and UI refactoring initiative for in-house filters module by refactoring **15+ React** components, improving code efficiency and application render speed by **35%**
- Resolved **40+** functional and styling bugs and streamlined styling issue resolution process, enhancing visual bug resolution efficiency by **80%** across entire application

Cecchini Lab – Full Stack Developer

London, ON / Mar 2021 – Present

- Engineered full stack **React** application to facilitate pathology education to **50** undergraduate students
- Implemented REST API with **Express** and **Passport** to track response accuracy for cases and handle authentication
- Streamlined cancer image storage using **AWS S3** and **RDS MySQL** instances to improve fetch speed by **20%**
- Authored and presented abstract and poster at 2022 Schulich Pathology Research Day Conference ([link](#))

PROJECTS

Hype4Less

🌐 Source

Python, Selenium, JavaScript, HTML/CSS, React, Flask, Heroku, MongoDB

- Built a web scraper using **Selenium** and **Python** capable of gathering **1200** on-sale products within **15 minutes**
- Developed full stack application with **React**, **Flask**, and **MongoDB Atlas** to showcase products in storefront UI

myBoard.space

🌐 Source

React, JavaScript, HTML/CSS, Bootstrap, Firebase

- Built a whiteboard education tool by leveraging **Firebase** to improve content delivery to users with low bandwidth
- Designed and created a responsive UI with **Figma**, **React**, and **Bootstrap** to support use on mobile devices

EDUCATION

University of Waterloo – Bachelor of Software Engineering (BSE)

Sep 2019 – Apr 2025

- **CGPA: 4.0** - Term Dean's Honour List for 1A