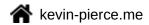
# **KEVIN PIERCE**









### SKILLS -

LANGUAGES

JavaScript, TypeScript, Python, Java, C/C++, SQL, Golang, HTML/CSS, Bash, Git

TECHNOLOGIES

React, Node.js, Express, Flask, Selenium, Heroku, MongoDB, AWS, Firebase, Jest

### EXPERIENCE -

#### Software Engineer – TRIYO, Toronto, ON

May 2021 - Aug 2021

- Developed and released Task Activity Visualizer for the TRIYO Insights Dashboard, PDF Download functionality, and integrated Smart Filter React components with the TRIYO Tasks module
- Spearheaded functional and UI refactoring initiative for TRIYO Smart 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, improving visual bug resolution efficiency by **80%** across entire application
- Implemented unit tests using Jest to increase code coverage for Redux functionality by 30%

## Full Stack Developer - Cecchini Lab, London, ON

May 2021 - Aug 2021

- Developed full stack **React** application to facilitate pathology education to ~50 undergraduate students
- Implemented RESTful API with **Express** to handle login, track student performance, and fetch cancer tiles
- Streamlined cancer image storage using AWS S3 and RDS MySQL instances to improve load speed by 20%

## Projects -

Hype4Less Source

- Full stack web app that connects consumers to shoe and clothing sales at various retailers
- Designed and implemented the front-end using Figma and React to showcase sales by brand and product
- Built a web scraper using **Selenium** capable of gathering ~1200 on-sale products within 15 minutes from multiple large Canadian clothing retailers, including Adidas, Nike, and Footlocker
- Developed a RESTful API with Flask to return document-based sale data stored in MongoDB Atlas

Tools Used: Python, Selenium, JavaScript, HTML/CSS, React, Flask, Heroku, MongoDB

myBoard.space Source

- Serverless web app that provides a low-bandwidth solution to hosting lectures on an online whiteboard
- Built an interactive canvas with **React** to establish the whiteboard instance between teachers and students
- Employed real-time whiteboard interaction with Firebase's Realtime Database to reduce latency to <500ms
- Composed the paint tool UI with **Bootstrap** to create a responsive design supported on mobile devices

Tools Used: React, JavaScript, HTML/CSS, Bootstrap, Firebase

#### EDUCATION —

#### **University of Waterloo**

2019 - 2025

Candidate for Bachelor of Software Engineering (BSE) Term Dean's Honour List for 1A 2020