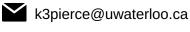
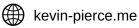
# **KEVIN PIERCE**









## SKILLS -

LANGUAGES
TECHNOLOGIES

JavaScript, TypeScript, Python, Java, C/C++, SQL, Golang, HTML/CSS, Bash, Git React, Node.is, Express, Flask, Selenium, Heroku, MongoDB, AWS, Firebase, Jest

## EXPERIENCE -

### **TRIYO** – Software Engineering Intern

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%**

#### Cecchini Lab – Full Stack Developer

London, ON / March 2021 - Present

- Engineered full stack **React** application to facilitate pathology education to ~50 undergraduate students
- Implemented REST 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 REST 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 - Present

Candidate for Bachelor of Software Engineering (BSE) GPA: 4.0 – Term Dean's Honour List for 1A