


KEVIN PIERCE

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 kevin-pierce.me

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

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