

KEVIN PIERCE

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SKILLS

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

TECHNOLOGIES React, Angular, Node.js, Selenium, Flask, Heroku, MongoDB, Bootstrap, Figma, Firebase

PROJECTS

Hype4Less

[Source](#)

- Full-stack web app that connects consumers to shoe and clothing sales at various retailers
- Designed and implemented a 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 sale data stored in an Atlas-hosted **Mongo** database

Tools Used: Python, Selenium, JavaScript, HTML/CSS, React, Flask, Node.js, 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

Foodprint (Web)

[Source](#)

- Front-end web app that allows users to log various dining experiences in a personalized map
- Implemented front-end with **React** and **Bootstrap** to establish role-based access with routing across pages
- Integrated **Google Places** and **Maps API** to track and display the user's map with visited restaurants

Tools Used: JavaScript, HTML/CSS, React, Bootstrap, Node.js, Places API, Maps API

COVID-Bot

[Source](#)

- Discord bot that provides COVID-19-related cases, deaths, and recovery data collected by JHU
- Incorporated the ChartJS API to graph data in a presentable format by country and time scale

Tools Used: JavaScript, Discord.js, Node.js, Heroku

EXPERIENCE

Part-time STEM Tutor – Oxford Learning, *Toronto, ON*

March 2020 – Present

- Designed and taught a 12-week computer science and robotics course for students from grades 1-9
- Provided students from grades 6-12 with in-person and online instruction in various STEM courses

EDUCATION

University of Waterloo

2019 – 2025

Candidate for Bachelor of Software Engineering (BSE)

Term Dean's Honour List for 1A 2020