

Keaton Lees

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Technical Skills

Frontend: JavaScript/TypeScript, React, Redux, HTML5, CSS3, SASS/SCSS, ChakraUI, Framer Motion

Backend: Python, Java, Node.js, Express, Flask, Django, MySQL, NoSQL, MongoDB

Tools: Amazon Web Services (AWS), CircleCI, Docker, Figma, Firebase, Git, Jest, Jira

Education

University of Waterloo | Systems Design Engineering (BASc), Computing Option

Sep 2019 - Jun 2024

Courses: Algorithm Design and Analysis, Data Structures and Algorithms, Human Factors of Design

Experience

Canvass Analytics Inc | Software Developer Intern

Apr - Aug 2023

- Implemented numerous data analysis features and optimized analysis methods for Canvass' Industrial AI platform
- Spearheaded **2** frontend features to improve data readability for users by **30%** using Typescript and ChakraUI
- Created end-to-end HTTPS requests that updated Redux stores and states, decreasing data fetch time by **18%**
- Achieved **100%** testing coverage to ensure error-free code and optimal implementation using Jest and React Testing Library
- Unified **10+** custom React components to adhere to the company design system for consistent user experience
- Delivered comprehensive demos of upcoming features to stakeholders and upper management

PiinPoint | Full-Stack Developer Intern

Sep - Dec 2022

- Launched Sitematch, an extensive feature that streamlines property analysis and 3rd party realtor communication
- Contributed **10+** React components into the reusable company-wide library for PiinPoint's location intelligence platform
- Implemented eye-catching interfaces that increased retention time by **25%** for clients including Sobeys and Tim Hortons
- Reduced **90%** of tech debt by refactoring legacy code and migrating stores and actions from Reflux to Redux
- Developed WCAG 2.0 compliant elements by collaborating with designers, resulting in **100%** positive feedback from users

Jamlabs Data Science | Software Engineer Intern

Jan - Apr 2022

- Drove the development of jShop, an expansive E-commerce application for business professionals to buy and sell data
- Revamped **20+** React components, hooks and Redux stores, increasing data fetch efficiency by **20%**
- Incorporated Stripe API to automate invoicing and reduce transaction times by **99%** (from 3+ days to 30 mins)
- Tracked user experience and process flows by integrating Google Analytics to increase page views by **33%**

Self Employed | Full-Stack Developer Intern

May - Aug 2021

- Architected a flexible to-do application using React, Node.js, and MySQL allowing users to categorize their pending tasks
- Optimized MySQL database queries to prevent redundant fetching, reducing element load times by **50%**
- Implemented drag-and-drop controls for greater user interaction and customization

Projects

Personal Portfolio 

React.js, HTML, SASS, Framer Motion

- Iteratively designed and developed a unique personal portfolio over the past 3 years to showcase projects and interests with custom reusable components and elegant animations

Jarvis Smart Clock 

HTML, CSS, JavaScript, Flask, Python

- Built and maintained a personal web-based smart home with interactive touchscreen widgets and settings to adjust weather, time, alarms and media along with integrated Google Home functionality, all running on a Raspberry Pi

Puppr

HTML, CSS, JavaScript, Flask, Python, Firebase

- Developed the frontend interface for a Tinder-like digital platform to help dog adoption centers and dogs in need find caring owners using live web-scraping to keep the available list of dogs continuously updated

Interests and Hobbies

- Volleyball, Track & Field, Taekwondo, Board Games, 3D-Printing, DIY Keyboards, Video Editing & Vlogging