Keaton Lees

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Technical Skills

Frontend: JavaScript/TypeScript, React, Redux, HTML5, CSS3, SASS/SCSS, ChakraUI, Framer Motion
Backend: Python, Node.js, Flask, C#, C++, Java, MySQL, NoSQL
Tools: AWS, CircleCI, Docker, Figma, Firebase, Git, Heroku, Jest, Jira, Kubernetes

Education

University of Waterloo | **Systems Design Engineering (BASc), Computing Option**   Sep 2019 - May 2024
Courses: Algorithm Design and Analysis, Data Structures and Algorithms, Human Factors of Design

Experience

CanvassAI | **Software Developer Intern**   Apr - Aug 2023
- Worked on adding numerous data analysis features and optimizing analysis methods for Canvass' Industrial AI platform
- Spearheaded **2 frontend features** to enhance data readability for users by **40%** using **Typescript** and **ChakraUI**
- Restructured **end-to-end HTTPS requests** that updated **Redux stores** and **states** decreasing data fetch time by **30%**
- Ensured error-free code and optimal implementation using **Jest** and **React Testing Library** with **100%** testing coverage
- Deployed completed components and delivered **comprehensive feature demos** to stakeholders and upper management
- Unified all custom React components in the companywide design system to establish consistent user experiences

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 companywide library for PiinPoint's location intelligence platform
- Implemented eye-catching interfaces that increased retention time by **25%** for clients including Sobeys and Tim Hortons
- **Refactored 90% of legacy code** by migrating stores and actions from **Reflux** to **Redux,** significantly reducing tech debt
- 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 **75%**
- Incorporated **Stripe API** to reduce transaction times and introduce automatic invoicing by **99%** (from 2+ days to 30 mins)
- Tracked user experience and process flows by integrating **Google Analytics** to improve 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**, increasing user productivity by **25%**
- Iteratively improved **MySQL database queries** to be dynamic, optimizing element load times by **50%**
- Offered more user customization and interaction by implementing drag-and-drop controls using React Beautiful DND

Projects

Personal Portfolio ↗   React, HTML, SASS, Framer Motion
- Iteratively designed and developed a unique personal portfolio over the past 3 years to showcase my projects and interests with custom reusable components and elegant animations using React and Framer Motion

Jarvis Smart Clock   HTML, CSS, Javascript, Flask, Python, Raspberry Pi
- 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

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 updated, completed in under 48 hours

Interests and Hobbies

- Volleyball, Track and Field, and Taekwondo
- 3D-Printing, DIY Keyboards, and Video Games