

# Keaton Lees

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## Technical Skills

**Frontend:** JavaScript/TypeScript, React, Next.js, Redux, HTML5, CSS3/SASS, TailwindCSS, Framer Motion

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

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

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## Education

**University of Waterloo | Systems Design Engineering (BSc), Computing Option | Sep 2019 - Jun 2024**

Courses: Algorithm Design and Analysis, Data Structures and Algorithms, Fundamentals of Computational Intelligence

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## Experience

**Canvass Analytics Inc | Software Developer Intern | Apr - Aug 2023**

- Spearheaded development of Logbook, a data summary feature, optimizing analysis methods for Canvass' AI platform
- Implemented User Labeling and Favoriting to improve data readability 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
- Streamlined reusability for **10+** custom React components, enhancing developer productivity for future features
- 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 consolidates property analysis workflows and 3rd party realtor communication
- Contributed **10+** React components into the reusable company-wide library for PiinPoint's location intelligence platform
- Overhauled all map interfaces and modals, increasing 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 test users

**Jamlabs Data Science | Software Engineer Intern | Jan - Apr 2022**

- Drove the development of jShop, an E-commerce app for business professionals to buy and sell data, used by **10+** beta clients
- Modernized **5+** React components, hooks and Redux stores, and decreased fetch times by **20%** by introducing caching
- Automated invoicing and financial documentation using Stripe API, and reduced processing times from **3+** days to **30** minutes
- 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 react-beautiful-dnd library for drag-and-drop controls, allowing for more fluid user interaction
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## Projects

**react-bento-box | [Link](#) | [Github](#) | React, TypeScript, NPM, Rollup**

- Built a lightweight NPM library for creating customizable bento box layouts in React, simplifying content organization and design flexibility with 500+ weekly downloads

**GetWrapped | [Link](#) | [Github](#) | Next.js, TypeScript, MongoDB, AWS S3, Firebase**

- Developed a full-stack web application that lets users create and share personalized Spotify Wrapped-like experiences for events such as trips and anniversaries, leveraging Next.js, MongoDB data storage, and AWS S3 media management

**Puppr | HTML, CSS, JavaScript, Python, Flask, Firebase**

- Engineered the frontend for a Tinder-like web platform connecting dog adoption centers with potential owners, utilizing live web scraping to ensure real-time updates of available dogs through engaging interfaces
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## Interests and Hobbies

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