

# Keaton Lees

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## Technical Skills

**Languages:** Javascript/Typescript, HTML5, CSS3, Python, C#, C++, Java

**Frameworks and Libraries:** React.js, Node.js, Flask, Redux, Reflux, Bootstrap

**Tools:** Git, Docker, MySQL, NoSQL, AWS, Firebase, Heroku, Figma, Unity C#

## Education

**University of Waterloo - Systems Design Engineering (BASc)**

2019 - 2024

**Relevant Courses:** Digital Computation, Data Structures and Algorithms, Digital Circuits

**Cumulative GPA:** 3.7/4.0

## Experience

**PiinPoint - Full-Stack Developer**

Sep. 2022 - Dec. 2022

- Launched multiple features to increase market adaptability for major clients including Sobeys, LCBO, and Tim Hortons
- Implemented numerous interfaces and enhanced user experience by making elements responsive in React
- Optimized code logic by upgrading current libraries, stores and actions from Reflux to Redux
- Updated popups and modals by modernizing fonts, images and layouts with 100% positive feedback from testing users

**Jamlabs Data Science - Software Engineer**

Jan. 2022 - Apr. 2022

- Launched jShop, a web-based platform for business and financial professionals to buy and sell big data
- Optimized numerous React components and Redux stores, increasing data efficiency by 75%
- Implemented Stripe API to decrease transaction times and automatic invoicing by 99%
- Tracked user experience and improved application process flows by 36% by including Google Analytics

**Self Employed - Full-Stack Developer**

May 2021 - Aug. 2021

- Architected a flexible to-do list application using React, Node.js and MySQL, increasing productivity by 28%
- Designed and developed a modern list layout including item drag and drop to expand user customization
- Rewrote database requests to be individually dynamic and selective, optimizing item loading times by 50%

**Ballard Power Systems - Systems and Controls Engineer**

Aug. 2020 - Dec. 2020

- Maintained sensor database of over 300 fuel cell modules by constructing Python scripts to automate updating processes
- Responsible for assembling and testing over 35 unique components for use in prototype fuel cells

**Ballard Power Systems - Systems Engineer**

Jan. 2020 - Apr. 2020

- Created automated hydrogen fuel cells scripts using Python and microcontrollers to decrease testing times by 40%
- Sourced fuel cell components and electronic equipment worth over \$100,000 for the department

## Projects

**Jarvis Smart Clock** 🕒

HTML, CSS, Javascript, Flask, Python, Raspberry Pi

- Created a personal web-based smart clock using HTML, CSS, Javascript and Flask running on a Raspberry Pi
- Implemented weather, music and alarm widgets using Python and Flask

**Puppr**

HTML, CSS, Javascript, Flask, Python, Firebase

- Developed Puppr, a digital web platform to connect dog-lovers with adoption agencies to adopt dogs in need
- Applied live web-scraping to keep the available dogs up-to-date using Python and Firebase

## Interests and Hobbies

- Volleyball, Track and Field and Taekwondo
- Upcoming technology, movies and games