

Brian Lee

✉ bj22lee@uwaterloo.ca | 🌐 brnjlee | https://brnjlee.com

Skills

Languages JavaScript/TypeScript, Ruby, Python, SQL, C++, Java
Frameworks React, Redux, Vue, GraphQL, Node, Rails, Express, Flask, Docker
Databases/ORMs PostgreSQL, MongoDB, MySQL, Redis

Experience

NVIDIA

Remote - Santa Clara, CA

Software Engineering Intern

Apr. 2021 - Aug. 2021

- Developed a service for managing product test configurations using **Node**, **React**, and **Redux**
- Implemented **Rake** tasks to handle product spec modifications, reducing engineer workloads by 10%
- Contributed to the modernization of services, introducing **React** hooks to the frontend application

Vidyard

Remote - Kitchener, ON

Software Engineering Intern

Sept. 2020 - Dec. 2020

- Developed a cross-folder search service in **Rails**, ensuring optimal performance and usability with use of **GraphQL** and **ElasticSearch**
- Improved Library page accessibility coverage by 25% using **Vue**, complying with WCAG 2.0 AA standards

Universe

Toronto, ON

Full Stack Engineering Intern

Jan. 2020 - Apr. 2020

- Developed embeddable calendar widget to display ticket availability for events using **React** and **Rails**
- Reduced page load times by 20% by implementing **Apollo Client** within multiple front end services to handle **GraphQL** requests
- Migrated the Event Display Page from ES6 to **Typescript** to enhance code quality and clarity

Emagin

Kitchener, ON

Full Stack Engineering Intern

Apr. 2019 - Aug. 2019

- Developed new features in metrics dashboard redesign using **React + Redux**, **GraphQL** and **Flask**
- Built a **Highcharts** graph visualization tool to display water pump activity and forecasts

Empire Life

Toronto, ON

Frontend Engineering Intern

Sept. 2018 - Dec. 2018

- Collaborated with team of developers to design and develop a **React + Redux chatbot** module
- Integrated **Google Dialogflow** to facilitate client queries producing a 80% decrease in CSR workload

Projects

Zepplan

Work in progress

June. 2021 - Present

- Building a project management tool that allows teams to communicate and develop new ideas from start to finish
- Building web client in **React**, along with an **Express GraphQL API** hosted on **AWS EC2**

Education

University of Waterloo

Waterloo, ON

Candidate for BAsC, Systems Design Engineering (Graduating April 2022)

Sept. 2017 - Present

- Relevant courses: Data Structures and Algorithms, Engineering Design, Machine Intelligence