

ADITYA THAKRAL

<http://a.ditya.me> | github.com/9at8 | [linkedin.com/in/99at8](https://www.linkedin.com/in/99at8) | aditya.thakral@edu.uwaterloo.ca
University of Waterloo, Computer Science (3A)

SKILLS

Languages TypeScript, JavaScript, Ruby, Python, Racket, SQL, C, C++, Bash, HTML/CSS
Tools Git, React.js, Ruby on Rails, GraphQL, Redux, Webpack, Node.js, React Native, Api.ai

EXPERIENCE

Shopify, Backend Developer Intern September 2018 – Present

- Made checkout updates faster on web, as well as REST and GraphQL APIs
- Used autosave associations to defer persisting changes and group calls to MySQL
- Removed inconsistent behaviour by implementing a Separation of Concerns design for checkout updaters

Shopify, Front End Developer Intern January 2018 – August 2018

- Re-wrote the Shopify admin frontend to use React, TypeScript and GraphQL
- Used Apollo GraphQL to implement **optimistic updates** and improve perceived performance
- Contributed reusable and extensible components to Shopify's open source design system **Polaris**
- Closely worked with designers to remove inconsistencies in existing UI and add features to the new admin
- Extracted existing React code into well documented and well tested public NPM packages (**Shopify/quilt**)
- Re-architected **@shopify/react-shortcuts** to make it compatible with all keyboard shortcuts

PerkinElmer, Full Stack Developer May 2017 – August 2017

- Built a Web App and a **Voice User Interface** for a PerkinElmer spectrometer using Meteor.js and Api.ai
- Utilized Socket.IO to connect the web app to multiple spectrometers and get **real time data**
- Created middlewares on different SoCs to make the spectrometer cross platform

Erigeron Energy, Software Engineering Intern June 2016 – August 2016

- Developed a solar savings calculator that allowed users to see projected hydro savings

PROJECTS

Donopoly Meal September 2018 – Present

- Implemented a flavor of Monopoly Deal as a **multiplayer online card game** using TypeScript, React, GraphQL
- Created an isomorphic react app for SEO and performance benefits
- Designed and created the GraphQL schema for the game to use a declarative API

Hack MI Travel, HackMIT 2017 September 2017

- Developed a customized **trip recommendation system** using React.js, Node.js and Python
- Cleaned the dataset to improve prediction accuracy of the random forest classifier model

ACTIVITIES

CS Club – University of Waterloo February 2017 – Present

- Trained club members for being office staff as **Office Manager**
- Fixed and maintained office linux terminals

Mentor and Volunteer, Techyon – University of Waterloo June 2017 – October 2017

- Mentored a workshop that helped students create their personal website
- Helped organize and manage 8 tech workshops at the University of Waterloo