

# NIKI PATHAK

## FRONT END ENGINEER

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🌐 <https://nikpath.github.io/>

## ABOUT

Looking for full time opportunities starting post graduation in 2023.

I am a front-end engineer with a passion for building intuitive, sleek and accessible UIs. I've had five great internships and want to continue delivering impactful user experiences.

## SKILLS

- React.js
- JavaScript (TypeScript)
- HTML + CSS
- Figma
- Python
- C++
- PHP
- React Native

## EDUCATION

### BACHELOR OF MECHATRONICS ENGINEERING

University of Waterloo, Canada  
Graduating 2023, Honours Co-op

## Capstone Project

Short-term stress recognition and relief devices: [Grounded website](#)

Developed two sock-like wearables that recognize elevated stress levels and provide methods for relieving stress. Developed the mobile app in React Native. Programmed the device functionality in C++.

## WORK EXPERIENCE

May - Aug 2022 **Design Engineer @ Twitter, Inc** Toronto, ON

- Developed a tool that scans Figma design files for tweet components and auto-fill them with mock data making it easier for designers to produce high fidelity mock-ups.
- Designed a simple UI so that designers can configure settings for the tool.
- Using feedback from the designers, expanded the tool by including a variety of tweet types and added logic to generate realistic like, reply and retweet numbers
- Planned further expansion for other components like profiles or auto-filling images

Sept - Dec 2021 **Software Developer @ Achievers, Inc** Toronto, ON

- Developed accessible components for an in-house React component library used in all client sites going forward.
- Fixed accessibility issues on the production site such as screen-reader usage, labelling, keyboard navigation, and live regions.
- Performed an accessibility audit on the mobile site and fixed issues with contrast visibility, labelling and sizing.

Jan - Apr 2021 **Web Developer @ Course Studio** Vancouver, BC

- Designed and implemented UI integrations between WordPress and Thinkific LMS API. Developed backend functionality for making API calls and storing the data in a WordPress plugin (PHP).
- Created reusable React components used for developing the client sites.
- Completed feature requests and bug fixes for UIs on existing sites.

Sept - Dec 2019 **Web Developer @ University of Waterloo** Waterloo, ON

- Created a React app for office staff to set availability times and add custom notes. Designed the Postgres database and UI for the app. Planned department-wide rollout of the app, demoed to other departments as well.
- Developed a React-Flask web app for managing the internal inventory system. Redesigned the UI to be more intuitive, accessible and responsive resulting in easier and efficient data entry,

Jan - Apr 2019 **Web Developer @ Environment Canada** North York, ON

- Developed a web tool for uploading CSV files. Created a simple UI and implemented backend functionality for uploading data to a Postgres database (AJAX, JS, PHP).
- Implemented dynamic menus and view options to improve UX for a data visualization tool.
- Assisted with running bash scripts for transferring files in preparation for a department-wide update.