

NIKI PATHAK

SOFTWARE ENGINEER

☎ (226)-929-4742

✉ niki.pathak18@gmail.com

🌐 <https://nikpath.github.io/>

ABOUT

I am a software engineer, graduated from Mechatronics Engineering from UWaterloo in 2023.

I've had 5 internships where I've gained experience building full-stack applications and working with a variety of languages and frameworks. Seeking a position where I can continue to grow and develop professionally as full-time software engineer.

SKILLS

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

EDUCATION

BACHELOR OF MECHATRONICS ENGINEERING

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

FINAL YEAR PROJECT

Grounded: Short-term stress recognition and relief devices.

Created a wearable that recognizes elevated stress levels and provide methods for relieving stress. In charge of end-to-end development: building the mobile app in React Native, programming wearable functionality (ESP32/Arduino) and communication with the app using Bluetooth.

WORK EXPERIENCE

May - Aug 2022
Toronto, ON

Design Engineer @ Twitter, Inc

- Developed a tool that scans Figma design files for tweet components and auto-fills them with mock data making it faster for designers to produce high fidelity mock-ups.
- Designed an informative and intuitive UI so that designers can configure settings for the tool.
- Presented the tool to designers across all product teams and used their feedback to expand the tool to include 3 tweet formats and added logic to generate realistic like, reply and retweet numbers.
- Presented ideas for expanding the tool by adding auto-fills for other components like profiles or images to further reduce monotonous tasks from the designers' workflows.

Sept - Dec 2021
Toronto, ON

Software Developer @ Achievers, Inc

- Fixed accessibility issues across the entire site to meet regulatory obligations. Followed ARIA guidelines including screen-reader usage, labelling, keyboard navigation, and live regions.
- Rewrote all components of an in-house React component library to be accessible and used in all client sites going forward.
- Put in charge of an accessibility audit on the mobile site and fixed issues with contrast visibility, labelling and sizing. This provided a guide for improving accessibility on other client sites.

Jan - Apr 2021
Vancouver, BC

Full-stack Developer @ Course Studio

- Designed and implemented reusable UI integrations between WordPress and Thinkific LMS API to help developers build client sites faster.
- Developed backend functionality for making API calls and storing the data in a WordPress plugin (PHP) that would be used in all future client sites.
- Created 10+ React components as a starting point for a component library.
- Completed feature requests and bug fixes for UIs on 5 existing client sites.

Sept - Dec 2019
Waterloo, ON

Full-stack Developer @ U of Waterloo

- Created a React app for office staff to set availability times and add custom notes to improve communication and reduce time wasted for finding people in office. 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 to replace existing, primitive method for managing the internal inventory system. Designed the UI to be intuitive, accessible and responsive resulting in easier and efficient data entry.

Jan - Apr 2019
North York, ON

Full-stack Developer @ Environment Canada

- Developed a web tool for researchers to upload CSV data files. Created the 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 employees with running bash scripts for transferring files in preparation for a department-wide update.