

NIKI PATHAK

3B MECHATRONICS
ENGINEERING (2023)
UNIVERSITY OF
WATERLOO

PORTFOLIO

nikpath.github.io

LANGUAGES

JavaScript
HTML + CSS
PHP
SQL
C++

TECHNOLOGIES

React
SASS
PostgreSQL
VSCode
Git
WordPress
MDX
Docker
Virtualbox/Vagrant
MAMP
MATLAB
JIRA

CONTACT

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WORK EXPERIENCE

Software Developer

Achievers Inc, Toronto | Sept - Dec 2021

- Developed 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 navigability and live regions
- Performed an accessibility audit on the mobile site and fixed issues with contrast visibility, labelling, and text sizing
- Contributed to a Hackathon project by developing user controls for an online "Guess Who" game

Web Developer

Course Studio, Vancouver | Jan - Apr 2021

- Developed reusable UI components used in developing custom sites for clients in the e-learning industry
- Designed and implemented UI integrations between WordPress and Thinkific LMS API for managing course data
- Created React components for end user to easily manage data
- Built WordPress plugins (PHP) for easier site management
- Completed feature requests and bug fixes on existing client sites

Web app Developer

Math and CS Faculty UW, Waterloo | Sept - Dec 2019

- Created a React app for office staff to set availability times and add custom notes
- Designed the Postgres database and UI for the app and planned department-wide rollout of the app, demoed to other departments as well
- Developed a React-Flask web tool for managing internal inventory system
- Implemented changes to SQL inventory database structure
- Redesigned the UI to be more intuitive, accessible, and responsive resulting in efficiency for the user and less mistakes in data entry

Web Programmer

Environment Canada, North York | Jan - Apr 2019

- Developed web tool for uploading CSV files, including a simple UI as well as the backend functionality for uploading data to a Postgres database (AJAX, JS, PHP)
- Implemented dynamic menus and view options to improve UX for a data visualizer
- Debugged file copying/transferring bash scripts in preparation for a department-wide update of Windows 10