

# Kenny Miu

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## Education

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**University of Waterloo** (Waterloo, ON, Canada)  
Candidate for BAsC, Nanotechnology Engineering

Sep 2019 - present

## Languages and Frameworks

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React, Angular, NodeJS, Django, JavaScript, Flutter, Dart, Python, Kubernetes, Swift

## Work Experience

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**Frontend Developer** (Smile Digital Health, Toronto ON, Canada)

Jan 2023 – Aug 2023

**Angular, Bootstrap 5, Typescript, Cypress, GitLab**

- Developed the entire UI that authenticates and interacts with CMS (a US healthcare website)
- Added a GitLab pipeline to automatically run tests, lint files, run SonarQube quality checks, and build Docker images
- Created Cypress tests including mocking OAuth2.0 flows, API calls, and file downloads

**Full Stack Developer** (ApplyBoard, Kitchener ON, Canada)

Jan 2022 – Apr 2022

**React, NodeJS, Typescript, Cypress**

- Refactored a student bulk import page to use Emotion Styled components, file validation, and better state management resulting in a 50% reduction in lines of code
- Created Cypress tests including file uploading, drag and drop, and full form validation checks

**Full Stack Developer** (Polar, Toronto ON, Canada)

Sep 2021 – Dec 2021

**React, Redux, JavaScript, Django, Python, Jest**

- Revamped a demo sites list page by implementing pagination via a Django REST endpoint
- Linked two separate react components together with reducers by migrating the stateful component into the global redux store
- Deprecated a support resources widget by removing all related references in multiple codebases and fixing all associated unit tests

**Full Stack Developer** (Honeybee Hub, Toronto ON, Canada)

May 2020 – Aug 2020

**React, NodeJS, Typescript, MongoDB, Express**

- Designed and programmed a survey builder and survey responder for researcher prescreening
- Built features including drag and droppable questions, response validation, and autosaving
- Created related APIs such as creating, updating, searching, and deleting surveys and responses

## Projects

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**iOS App Development** (St. Augustine CHS, Markham ON, Canada)

Sep 2018 – Jun 2019

**Swift, Objective C, XCode, Simulator, Firebase Database**

- Self-taught and programmed the school app used by over 85% of the student population
- Built features including push notifications for office and class announcements, a centralized list of all school clubs, and a daily cafeteria menu which can be updated by staff