

Regan Iu

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SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, R

Tools/Technologies: React, React Native, Node, Express, Git, Github, Bootstrap, Android Studio

PROJECTS

PokeRec – OakHacks – Top 3 finalist

- Created a Pokémon Card recognition app using ML based computer vision APIs.
- Allows users to use their camera to scan Pokémon cards to find useful information.
- Developed front-end with clean and intuitive design using **React Native**.
- Trained **AWS Rekognition** for custom icon recognition and **AWS S3** for image storage.

Conversationalist – NewHacks

- Designed and constructed a text-to-speech **Android application** in a team of 3.
- Used an open-source speech recognition engine due to lack of spoken-language practice applications.
- Interacts with users by providing daily conversation topics to practice.
- Created using **Java** in **Android Studio** for front-end and back end.

Exercise Tracker

- Created a simple exercise tracker/manager using **CRUD** principles.
- Used **React** to create a simple yet effective design for users to log their workout information.
- Used **MongoDB** Atlas for storing data, **Express** and **Node** for back end.

Personal Website

- Developed personal website using **React** to learn more about web development.
- Utilized **HTML**, **CSS**, and **JSX** elements for front end.
- Deployed using the **Firebase** platform provided by Google for the back end.

EDUCATION

University of Toronto – St. George

September 2018 - April 2022 (Expected)

Computational Cognition Major and Minor in Mathematics and Statistics

Bachelor of Science

COURSEWORK

Relevant Coursework:

Software Design, Intro to Theory of Computation, Introduction to Computer Science, Mathematical Expression and Reasoning for Computer Science, Statistical Probability with Applications to Computers