

Ali Rafiei

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[LinkedIn](#) • [Personal Website](#) • [GitHub](#)

EDUCATION

University of Alberta | BSc in Computer Science, Dean's Honor Roll Sep 2019 - Apr 2023

- GPA: 3.5/4.0

EXPERIENCE

Full Stack Web Developer | [Project Portal](#) | [Award](#) Sep 2022 - Dec 2022

Community-Service Learning, University of Alberta

- MERN stack (MongoDB, Express, React, NodeJS) to create a survey submission website with automated email confirmation, online signature approval, finalised pdf creation, and private database storage for thousands of users
- Agile scrum development with experience leading 80% of development as scrum master and product owner
- Team orientated development with hundreds of individually distributed tasks
- Finished product reduced a 50 hour per month task down to 1 hour

Teaching Assistant Sep 2021 - Dec 2021

University of Alberta | CMPUT 174: Introduction to the Foundations of Computation I

- Conducted 20 lab lectures in Python
- Created 30+ lab material and exercises for interactive and engaging learning
- Built communication and assessment skills via weekly meetings with course professors

LANGUAGES & FRAMEWORKS

C | C++ | Python | Java | JavaScript | TypeScript | HTML | CSS | Express | Node.js | React | Angular | Django | SQL | MongoDB

PROJECTS

Text to Speech App: [\[GitHub\]](#) May, 2023

- Python GUI application with full text to speech, image to text, and text editor functionality
- Combined 4 unique and conflicting python libraries into 1 streamlined program

Pokemon Calculator App: [\[GitHub\]](#) | [\[Website\]](#) (24h) HackED: Jan, 2023

- Website and mobile application calculator for strongest/weakest type against a pokemon
- Indexed over a thousand different Pokemon and their attributes

Friender Web App: [\[GitHub\]](#) (48h) UofA Hackathon: Sep, 2022

- Friend making website for campus students during COVID-19
- Cataloged thousands of user data to display analytics of app performance

Lecture Timestamp Tool: [\[GitHub\]](#) (24h) HackED: Jan, 2022

- Timestamp application that organises slide transitions from online lecture videos
- Efficiently renders 3+ hour long videos in less than 4 minutes

QR Scanner App: [\[GitHub\]](#) Feb - Apr, 2022

- Android app that allows people to collect unique QR codes and compete against their friends
- Stored hundreds of user data, geolocations, codes, and images in a secure database
- Used GitHub version control to document and implement 40+ software features

Web Story Game: [\[GitHub\]](#) | [\[Play Now\]](#) (48h) Alberta Game Jam: Aug, 2021

- Game designer and creative writer
- Efficient communication with team members to create 8 unique story driven endings