

Ali Rafiei

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

EDUCATION

University of Alberta Master of Science (Thesis) in Computing Science	Sep 2023 - Apr 2025
University of Alberta Bachelor of Science in Computing Science, Dean's Honor Roll	Sep 2019 - Apr 2023
• GPA: 3.5/4.0	

EXPERIENCE

Full Stack 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	
<ul style="list-style-type: none">- 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Game designer and creative writer• Efficient communication with team members to create 8 unique story driven endings	