

# RAEEIN BAGHERI

Canada, Ontario · Bagherir@uoguelph.ca · <https://raeein.github.io> · (647)-936-1380

## SKILLS

---

Languages: Swift, Python, JavaScript / HTML / CSS, C, Java, R, SQL, LaTeX  
Frameworks: UIKit, SwiftUI, Flask, React, Bootstrap  
Tools: Git, Realm, Firebase, AWS, Azure, Digital Ocean, Tableau, Microsoft Suit

## WORK EXPERIENCE

---

### IOS Developer

*Reality Experience Technologies*

USA, OH

Feb 2022 - Jul 2022

- Automated the data transfer from S3 Buckets to FireStore using Swift which resulted in a significant increase in the productivity of the team
- Improved the User Experience of the IOS application by gathering feedback from users and using them to add and improve additional functionalities to the app
- Assisted in the redesign of the mobile application which received the applause of the stakeholders

### Quality Engineer

*TD Bank*

Canada, ON

May 2022 - Sep 2022

- Prepared the test data to validate the scenarios according to business requirements, developed and tested negative and positive test cases
- Created automation pipelines in Microsoft Azure to replace the manual testing of the entities that significantly improved the team's proficiency
- Participated in project team meetings to discuss the testing process, business requirements and assignments

## EDUCATION

---

### University of Guelph

*BS Computer Science*

Canada, ON

Sep 2020 - Apr 2024

- Maintaining a 3.7/4.0 GPA
- Received an entrance scholarship of 4000\$

### Google Certificate

*Data Analysis*

Coursera

Apr 2021 - Jun 2021

- Completed extensive six-month job-ready Google Career Certificate training
- Improved critical and analytical thinking using tools such as R, Tableau, and relational databases
- Demonstrated hands-on experience with data cleaning, data visualization, project management, interpreting and communicating data analytics findings

## PROJECTS

---

### ToDoey UIKit, Realm, Cocoapods

[https://github.com/Raeein/Todaye\\_Realmhjb](https://github.com/Raeein/Todaye_Realmhjb)

- Developed an IOS application to assist users organize and prioritize their daily tasks
- Shortened the codebase by using object-oriented programming concepts such as inheritance
- Improved the loading time of the application by switching from UserDefaults and CoreData to Realm

### Hacker News SwiftUI, REST API, JSON

<https://github.com/Raeein/H4XOR-SwiftUI>

- Created an IOS application using SwiftUI to get the latest news from the Hacker news API
- Integrated the WebKit Api which resulted in greater quality of user experience

### Flappy Bird AI Python, NEAT, Pygame

[https://github.com/Raeein/Flappy\\_Bird\\_AI](https://github.com/Raeein/Flappy_Bird_AI)

- Built a Flappy Bird game that is controlled and improved by a Genetic Algorithm
- Improved the efficiency of the model by adjusting the input values which resulted in having an accurate model using fewer generations

### Blog Website Python, Flask, HTML, CSS, SQLite

[https://github.com/Raeein/Flask\\_Blog](https://github.com/Raeein/Flask_Blog)

- Developed a blogging website to store and share users blog with CRUD functionalities
- Improved the user interface of the website by using Bootstrap elements
- Implemented features such as user authentication and updating user credentials with Firebase