

RAEEN BAGHERI

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SKILLS

Languages: Swift, Python, C, Java, R, JavaScript / HTML / CSS, SQL, LaTeX
Frameworks: UIKit, SwiftUI, Flask, Bootstrap
Tools: Git, Realm, Firebase, AWS, Azure, Tableau, Microsoft Suit
Others: Linux, MacOS, Windows, Active Directory, Virtual Desktops, CTFs

WORK EXPERIENCE

IOS Developer

Reality Experience Technologies

USA, OH

Feb 2022 - Present

- Automated the data transfer from AWS S3 to FireStore using Swift resulting in significant increase in 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 existing app

Programming Tutor

J Addison School Elementary School

Canada, ON

Sept 2019 - Apr 2020

- Tutored secondary school students in programming courses with Python and Java to help them better comprehend school lectures, learning objectives, and catch up with other students.

EDUCATION

University of Guelph

BS Computer Science

Canada, ON

Sep 2020 - Present

- 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

- 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

- 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

- 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