Omar Basem

omarbasem.com | founder@stiiick.com
github.com/OmarBasem | linkedin.com/in/OmarBasem | +971-55-849-0589

EDUCATION

Heriot-Watt University
BSc (Hons) Computer Science
★ Awarded DP Award for Academic Excellence in every year.
Fourth Year | September 2017 - current

University of Sharjah
Bachelor of Science in Computer Engineering
September 2016 - August 2017

St. Mary's Catholic High School
Cambridge IGCSE & Pearson Edexcel A Levels
★ Awarded Cambridge ICE Certificate with Distinction.
September 2013 - August 2016

SKILLS

Programming Languages
Proficient with:
JavaScript • TypeScript • Python • Java • Swift • C • Kotlin • PHP • SQL • HTML • CSS
Familiar with:
C++ • Objective-C • Go • R • ARM Assembly • Functional Programming (ML) • Logic Programming (Prolog) • PDDL

Technologies
Proficient with:
Xcode • Android Studio • React/Redux • React Native • Django • REST APIs • Encryption • Git • Unix Shell • Pip • NPM • Gradle • CocoaPods • AWS • Firebase • Networking Protocols • VS App Center • Agile Development
Familiar with:
Testing Frameworks (JUnit, Jest & Detox) • Express.js • Keras • Data Science, Machine Learning & Deep Learning • NLP

COMPETITIONS

Google Hash Code
February 2020 & February 2019

Google Code Jam
April-May 2019

Dubai Hackathon 2.0
February 2019

CERTIFICATION

AWS Certified Solutions Architect - Associate
June 2020

TECHNICAL PROJECTS

STiiiCK
• World's First End-to-End Encrypted Social Network
• Backend API: Python, Django, AWS & Firebase
• Frontend iOS & Android mobile applications: React Native, React/Redux, JS, Java, Swift, Objective-C & Signal Encryption Protocol
• Source code currently over 130,000 lines of code
• Website: www.stiiick.com
April 2018 - current, TBR late 2021 on iOS+Android

Personal Website
• My personal website where I show some of my work and talk a little bit more about myself
• www.omarbasem.com
June 2020

Multithreading
• Designed and implemented 4 different multithreading concepts in Java: Atomic, Symaphore, Extrinsic & Intrinsic
• Tested & Analyzed performance results using JUnit
April 2020

Master Mind
• Code-breaking game for 2 players using RasPi
• Built with: C & ARM Assembly on a RaspberryPi 3
March 2019

Steganography
• Coded a program to encode and decode a text message or an image in another image
• Built with: C
February 2019

Gates & Fences
• Redesigned gatesnfences.com which was "bad website of the month" featured on Margin Media
• Original design: gatesnfences.com
• My design: gatesandfences.herokuapp.com
March 2018

Strength-Nutrition.com
• A simple static website about nutrients
• Built with: HTML, CSS & JS
January 2018