

**QASIM
ABBAS**
IOS DEVELOPER
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Education

Rutgers University - New Brunswick
B.S. Computer Science 2019

TurnToTech May 2018 to Current
iOS Development Immersive Course - An intensive professionals only iOS Development course that refines skills in multithreading, memory management and safety, as well as networking in Objective C and Swift

Skills

PROGRAMMING LANGUAGES

Swift & Objective C

Java

Javascript

Python

C

C#

SOFTWARE TOOLS/Frameworks

Xcode

Core Data

Atlassian Jira

CFNetwork

Core Location

Core Animation

UIKit

Core Audio

UIKit Framework

MySQL and MSSQL

MongoDB

NodeJS

AngularJS

COURSEWORK

Intro to Artificial Intelligence

Brain Inspiring Computing

Software Methodology

Systems Programming

Awards

MLH Prime.
Won Best Use of Tanvas
Technology Aug.
2016

BrickHacks Rochester University.
Won Best Mobile Hack Mar.
2016

Rutgers Robotics Club.
Won Rutgers Robotics Hackathon
2014 Nov.
2014

Experience

United Software Consultants
iOS Developer - Independent Contractor / Consultant

East Brunswick, NJ
Sept. 2018 to Current

- Responsibilities include the entire range of an **iOS** Application build cycle. Work with small to midsize business clients developing native mobile applications with the iOS platform. This includes interacting with the client from the initial pre-planning and research, feasibility assessment, prototyping, and building the App to using the best application development methodology, and QA testing and maintenance.
- Creating an iOS application that handles DNS queries using **Swift**, **Objective C**, and **CFNetwork** to check statuses and health of servers for administrative services and applications.

iconectiv
Mobile Application Development

Piscataway, NJ
May 2016 to June 2017

- Hired as an Intern while studying at Rutgers University, iconectiv is a Telcordia Technologies, Inc company., formally known as Bell Communications Research (Bellcore).
- Developed libraries on mobile platforms using **Swift**, **Objective C**, **Java**, and **Ionic Framework/Cordova/AngularJS** to facilitate faster and more modular application development within the company.
- Tasked with presenting top-level executive management with the briefing on the latest trends in technologies with the Apple platform. Full-time internship extended for another term.

Rutgers University Graduate School of New Brunswick
Teaching Assistant for Python Methodologies for Data Sciences

New Brunswick, NJ
Sept. 2016 to Dec. 2017

- Guide classroom development for **50+** students and assist in grading and assessing Data Structures and other various OOP concepts written in **Python**

SteamWorksStudio
Instructor

Warren, NJ
Feb. 2018 to May 2018

- Created and adjusted curriculums as well as taught students ranging from 4th grade to 8th grade software development in **iOS**, **Java**, and **Python**

Community Projects

Khajoori - Founder
Monroe Township, NJ

June 2012 to Current

- Guide a multi-platform app development team to acquire over **5,000+** installations for an app that compiles resources, such as PDFs and Audiobooks, into one composite resource using **iOS**, **Android**, and **Windows Phone** written in **Objective C/Swift**, **Java/Kotlin**, and **C#** respectively.
- Implement an audio player and streamer using Jukebox Cocoapod library and multi-threading for user interface updates and remote control playback as well as AVFoundation for various metadata information.

Anjuman-e-Burhani - Web Designer
East Brunswick, NJ

June 2012 to Current

- Design a new website layout for the Anjuman-e-Burhani Community using **PHP** and **MySQL** with Wordpress and maintain content and information for **500+** members

Projects

ListenWithMe

Oct. 2017

* Created an **iOS** application that allows individuals to listen to music at the same timestamp in as close to real time as possible using **Swift/Ionic Framework/Cordova** as the client side application for receiving the stream and timestamps for "sync" and a **NodeJS** backend server to add multiple clients to the same song utilizing the Twilio Sync API for "syncing" on the NodeJS server.

Descartes

June 2017

- Developed a mobile application using **Swift** with a team that scans hand-written **Python** code and compiles the output using OCR for use in teaching programming without having to retype code

Speaking Sensibly

Aug. 2016

- Lead **iOS** Developer in a project using **Swift** that improves communication skills for autistic patients using Tanvas Haptic Technology that allows users to feel textures on a touch screen

Lookup

Mar. 2016

- Developed an **iOS** application that identifies faces using AR and facial recognition using iPhone hardware written in **Swift** to search for people

Leadership

HackRU - Director of Research and Development

Apr. 2016 to Current

- Direct a team of **30+** to develop open source projects that benefit a 24-hour hackathon averaging over **600+** attendees as well as the open source CS community
- Lead a team of **iOS** developers to create an application that is utilized by attendees for event updates and check-in as well as organizers for administrative purposes such as registration and data collection for statistics

Rutgers Mobile Application Development - President

Apr. 2016 to May 2018

- Conduct workshops that specialize in **iOS** and **Android** Development and host a mobile IoT hackathon in collaboration with clubs that specialize in hardware and electrical engineering
- Educate various frameworks and industry standard design patterns such as **Core Data** as well as MVC and Singleton patterns

Undergraduate Student Alliance of Computer Scientists - Head Hacker Ambassador Chair

Apr. 2016 to Current

- Expand the Computer Science at Rutgers University by outreaching undergraduates, organize **15+** open source projects, and assist in organizing events for **300+** attendees

Rutgers University Creation of Games Society - Sergeant at Arms - Vice President

Apr. 2016 to May 2017

- Taught members Game Science using Unity and **C#** and Game Science as well as oversaw all recruitment and retention endeavors for the organization for **30+** attendees.