

Salman Fakhri

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Education

Rutgers University | Class of 2021

B.S. Computer Science

GPA: 3.5/4.0

Coursework - Data Structures, Discrete Math, Linear Algebra, Intro to Computer Science

Programming Languages - Swift, Java, Python, JavaScript

Experience

iOS Developer | Rutgers University Open System Solutions

Jan 2018 - Present

- Worked on a rewrite of the Rutgers University iOS App, migrating from Objective-C to Swift
 - Used Rx Swift and implemented MVVM architecture
 - Used the iOS MapBox SDK to show bus routes and real time bus locations
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Projects

Location Based Check-in App

HackRU Fall 2017

- Built an iOS Application which allowed event organizers to host events, and allowed attendees to check-in to those events based on their location
- Used Core Location to create a Geofence around the event to keep track of attendees entering and leaving an event
- Built a web app to display a heatmap of user locations inside a venue using the MapBox SDK

React Native Task Manager App

Summer 2017

- Learned the Javascript framework React Native and created a to-do list app for iOS
- Used Firebase for user authentication as well as storing all user data
- Used best practices for storing data, e.g. flattened data structures

Amazon Alexa Skill - Home Thermostat

PennApps Winter 2016

- Set up the interaction model for an Alexa Skill to respond to temperature readings
 - Set up an AWS Lambda function, connected it to the Alexa Skill
 - Used Javascript to request data from a Thingspeak API connected to Arduino temperature sensors
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Leadership and Achievements

Vex Robotics World Championship Division Semifinalist | Louisville, KY

April 2017

- World Championship Division Semifinalist (top 12 teams out of ~100, top 70 teams out of ~600)
- New Jersey State Champion (top 3 teams out of 128)
- Worked on 5 person team as main programmer, used sensors and programmed in ROBOTC to allow the robot to autonomously complete a task.

Co-Founder CHE Hacks | Cherry Hill, NJ

May 2016

- Co-founded South Jersey's first and only High School Hackathon at the Cherry Hill Public Library
- Hosted 150 student attendees from South Jersey, Philadelphia and New York
- Introduced 70+ students with no prior programming experience to computer science through workshops led by professionals in the local community