

SALEH ALGHUSSON

salehg@live.com | Github: github.com/qirh | saleh.alghusson.com

EDUCATION

The University of Texas at Austin	Bachelor of Science, Computer Science Courses: Algorithms and Complexity, Software Engineering, Modern Web Applications, Data Structures, Discrete Structures, Android Development, Database Management, Computer Security, Computer Networks, Wireless Networks, Operating Systems Certificates: Mobile Computing Certificate, CCNA1	2014 – 2017
Harvard Extension School	Advanced Mobile App Development. Swift, iOS	Summer 2017

TECHNICAL SKILLS

- **Proficient in** C#, C++, Java (Android, JUnit, Maven), JavaScript (D3, JQuery), Python (Django, Flask), SQL & Swift.
- **Familiar with** C, Objective-C, Ruby (Rails), JavaScript (React, React Native, Node), Scala & Haskell.
- **Tools used** Apache Server, Apiary, Git, Google Cloud Platform, AWS, Docker, Travis CI & Jenkins.
- **Concepts worked with** Agile, Unit testing, Continuous Integration, REST API, Containers, Virtual Environments & MVC.

EXPERIENCE

Kiva, US Program – Fellow	Jan 2018 – Jul 2018
<ul style="list-style-type: none">• Automated a data moving process that took 4 workhours to accomplish every day. This was done by deploying a webhook to receive the data and a writing script to manipulate it, saving time and removing the possibility of human error.• Interviewed, trained and managed 3 staff members.• Represented Kiva at 20+ workshops, panels & seminars, communicating Kiva's complicated loan product.	
University of Texas Speleological Society – President	2015 – 2017
<ul style="list-style-type: none">• Helped write a new constitution and restructure the organization. Attendance to meetings/trips increased by 50%.• Held 5+ training sessions to teach and test beginners on climbing rope. A skill that they used to safely climb into/out of caves.	
Casa Marianella – Bike Mechanic / ESL Teacher / Volunteer	2014 – 2016
<ul style="list-style-type: none">• Built/maintained 50+ bicycles for community members to use. Taught English as a Second Language class twice a week.	
King Fahd University of Petroleum and Minerals – Teachers Assistant	2012 – 2013
<ul style="list-style-type: none">• Taught weekly review sessions for Discrete Mathematics (CS 253). Held office hours and graded homeworks/quizzes.	

PERSONAL PROJECTS

Voice Garden – Hackathon project github.com/qirh/VoiceGarden	2018
<ul style="list-style-type: none">• Connected a Google Home to an Arduino equipped with a humidity sensor, thermometer and a water pump for plants.• Wrote a Node.js webhook to access Arduino data from Google Firebase in real-time• Designed a conversation flow that listens for questions & commands then respectively reads aloud live data from the sensors or activates the pump to water certain plants.	
Cambridge Art Navigator – Personal project github.com/qirh/CambridgeArt	2017
<ul style="list-style-type: none">• Developed an iOS application to display public art installations all over the city of Cambridge, MA using Swift & Xcode.• Pulled data from the city's open data portal API and displayed all art installations in both an interactive map and a detailed list.	
Texas First – Personal project github.com/qirh/TexasFirst Chrome Web Store	2017
<ul style="list-style-type: none">• Published an extension to Google Chrome. When activated, it will loop over any list of states and puts "TX"/"Texas" at the top.• Used jQuery to manipulate the DOM and Bootstrap for the pop-up & options menus.	
Stock Exchange Monitor – University project github.com/qirh/jones salehjones.com	2016
<ul style="list-style-type: none">• Built a full stack web application that displays and compares stock market information from different markets simultaneously.• Pulled data from Yahoo finance API. Also, developed a public API for local data. Thoroughly documented the project on Git Wiki.	

HOBBIES AND INTERSTS

Language Skills – Fluent: English & Arabic. B-level: Spanish & French. A-level: Hebrew, Portuguese & German

Passion Projects – Traveled to 5/7 continents, ~40 countries. Bicycled solo across 6 countries. Similarly, also traveled across half of the contiguous US & North Mexico by motorcycle