

# SALEH ALGHUSSON

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## EDUCATION

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

## TECHNICAL SKILLS

- **Proficient in** .NET, Java (Tomcat, Spring MVC), JavaScript (D3, React), Python (Django, Flask) & Android/iOS development.
- **Familiar with** C, C++, Objective-C, Ruby (Rails), JavaScript (Angular, Node), SQL.
- **Tools used** Apache Server, Apiary, Git, Google Cloud Platform, AWS (EC2, Lambda), Docker, Kubernetes, & CI/CD.
- **Concepts used** Agile, Continuous Integration/Testing, REST API, Containerization & Virtual Environments.

## WORK EXPERIENCE

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|--|----------------------------|
| <b>Kiva, US Program – Intern (New York City)</b>   | <b>Jan 2018 – Jul 2018</b> |
| <ul style="list-style-type: none"><li>• Automated a data migration 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.</li><li>• Managed the entire sales funnel in NY from prospecting to closing, exceeding yearly growth targets by 50%.</li><li>• Represented Kiva at 20+ workshops, panels &amp; seminars, communicating Kiva's complicated loan product.</li></ul> |                            |
| <b>University of Texas Speleological Society – President</b>   | <b>2015 – 2017</b>         |
| <ul style="list-style-type: none"><li>• Organized monthly training sessions to teach and test beginners on climbing rope, which made it easier for beginners to join.</li><li>• Helped write a new constitution and restructure the organization; resulting in a 50% increased attendance to meetings/trips.</li></ul>   |                            |
| <b>Casa Marianella – Bike Mechanic / Instructor</b>  | <b>2014 – 2015</b>         |
| <ul style="list-style-type: none"><li>• Built/maintained 50+ bicycles for members to use. Taught introduction to web development (WordPress).</li></ul>  |                            |
| <b>King Fahd University of Petroleum and Minerals – Teachers Assistant</b>   | <b>2013 – 2014</b>         |
| <ul style="list-style-type: none"><li>• Taught weekly review sessions for Discrete Mathematics. Held office hours and graded homeworks/quizzes.</li></ul>  |                            |

## PERSONAL PROJECTS

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

## HOBBIES AND INTERSTS

**Languages** – Fluent: English & Arabic. B-level (Conversational): Spanish & French. A-level (Beginner): Hebrew, Portuguese & German.  
**Passion Projects** – I love travel, the outdoors, books & technology. So far, I have 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.