**EDUCATION**

***Loyola Marymount University*** **Los Angeles, CA**

**Bachelor’s of Science** in Computer Science; Applied Mathematics Minor May 2017

GPA: 3.82

**EXPERIENCE**

***Radii Robotics* Irvine, CA**

Software Engineering Part-Time Contractor 06/2017 – present

* Set up a peer-to-peer connection protocol between a drone and a browser
* Develop the interface for controlling drone flight
* Provide wiring diagrams for the next stages of the prototype

***Rink Social Challenges LLC***  **Los Angeles, CA**

Software Engineering Intern 02/2017 – 06/2017

* Develop the user interface for the iOS application
* Debug problems with the existing application using Xcode

***Loyola Marymount University Computer Science Department*** **Los Angeles, CA**

Computer Science Teaching Assistant 08/2014 – 05/2017

* Helped underclassmen with debugging projects, mostly in Java and JavaScript
* Created testing suites to automate grading
* Explained key data structures and algorithms concepts

***Loyola Marymount University Dahlquist GRNmap Team*** **Los Angeles, CA**

Research Assistant/Lead Developer 01/2015 – 05/2017

* Refactored script-based MATLAB code to be more object-oriented
* Improved visualization of the modeling application
* Created testing framework for easier debugging
* Implemented a more efficient data structure to better accommodate laboratory data
* Provided code-walkthroughs to new developers

**PROJECTS**

***ease* –** fall detection IoT device 2017

* Wrote API layer using ES6 to send data from device to AWS-hosted Postgres database
* Developed the mobile application user interface using React-Native

***Markit* –** web/mobile application for buying/selling items between colleges 2016

* Developed the iOS interface using Swift3
* Led the iOS dev team during scrums
* Assisted other members with using the Firebase backend

**SKILLS**

***Coding:*** Java, JavaScript, HTML, CSS, MATLAB, React/React-Native, Python, Swift

***Technologies/Environment*:** Windows, Linux, Unix, Git/GitHub, Postgres, Node

***Methodologies:*** Test-driven development

**LINKS**

***GitHub:*** github.com/trixr4kdz ***LinkedIn*:** linkedin.com/in/trixie-roque