TrixieRoque

Senior Computer Science Student

about

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programming languages

Java, Python, Matlab, Javascript/HTML/CSS, OCaml, Swift

relevant courses

Data Structures, Algorithms, Interaction Design, Web Applications

education

since 2013 — **Bachelor's of Science** in Computer Science — Loyola Marymount University
Minor in Applied Mathematics
Graduation Date: May 6, 2017
GPA: 3.82

experience

2016 — **Center for Computation and Technology** — Louisiana State University, Baton Rouge, LA
Data Analytics Research Assistant
Created a surrogate reservoir model to optimize waterflooding using IBM predictive statistical tools

since 2014 — **LMU Computer Science Department** — Loyola Marymount University, Los Angeles, CA
Computer Science Teaching Assistant
Assisted underclassmen and graded projects/assignments

projects

2017 — **Rink**
A social media/gaming application for iOS devices where users perform various challenges, gain points, and earn a spot at a leaderboard based on completed challenges. Development involves using Xcode and Objective-C.

2017 — **ease**
A fall-detection Internet of Things device aimed towards helping the elderly and children. API layer for sending data to a PostgreSQL database is written in Javascript and uses Node.js and Express. Mobile application development uses Xcode and React-Native.

2016 — **Markit** — Github
Application to bridge the gap between buyers and sellers in college campuses. Development involved Xcode 8 and Swift 3 with Firebase as backend. Also acted as team leader for the iOS group to manage tasks for individual members.

2016 — **yah** — Github
A statically-typed programming language written in Javascript for CMSI 488 class (Compiler Construction). Features include type inference, list comprehension, higher-order functions, and indentation.

2015 - 2017 — **GRNmap** — Github
Lead developer of a MATLAB gene regulatory networks simulation software. Duties include routine bug fixes, adding new features, and enhancing the code base by creating a testing framework and modularizing the source code.

awards

2015 — **LMU Outstanding Sophomore Student in Computer Science Award**