

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
Minor in Applied Mathematics
Expected graduation: May 2017
GPA: 3.82

Loyola Marymount University

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 6 and Swift.

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 will use Xcode 8 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. Also the group leader for the iOS sub-team to manage tasks for individual members.

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

since 2015 **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**