

# TrixieRoque

Senior Computer Science Student

## about

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## programming languages

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

## education

since 2013

**Bachelor's of Science** in Computer Science  
Minor in Applied Mathematics  
Expected graduation: May 2017  
GPA: 3.81

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

2015

### Bonanza Media

Los Angeles, CA

*Mobile Game Tester*

Ensured quality of a Shrek-themed slot machine game called Shrek Slots through play-testing

since 2014

### LMU Computer Science Department

Loyola Marymount University, Los Angeles, CA

*Computer Science Teaching Assistant*

Assisted underclassmen and graded projects/assignments

## projects

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 CMSI 488 class (Compiler Construction). Features include type inference, list comprehension, higher-order functions, and indentation.

since 2015

### GRNmap

Github

Lead developer of a software that simulates gene regulatory networks (written in Matlab). Duties include performing routine bug fixes, adding new features, and enhancing the code base by creating a testing framework and modularizing the source code.

2015

### xmllpipedb

Github

Open-source project for BIOL/CMSI 367, which aims to build biological databases using software development tools. Languages used include PostgreSQL and Java.

## awards

2015

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