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: 3.81	Loyola Marymount University

experience

2016	**Center for Computation and Technology** *Data Analytics Research Assistant* Created a surrogate reservoir model to optimize waterflooding using IBM predictive statistical tools	Louisiana State University, Baton Rouge, LA
2015	**Bonanza Media** *Mobile Game Tester* Ensured quality of a Shrek-themed slot machine game called Shrek Slots through play-testing and reporting bugs using Bugzilla	Los Angeles, CA
since 2014	**LMU Computer Science Department** *Computer Science Teaching Assistant* Assisted underclassmen and graded projects/assignments	Loyola Marymount University, Los Angeles, CA

projects

2016	**Markit** 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.	Github
2016	**yah** 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.	Github
since 2015	**GRNmap** 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.	Github
2015	**xmlpipedb** Open-source project for BIOL/CMSI 367, which aims to build biological databases using software development tools. Languages used include PostgreSQL and Java.	Github

awards

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