

Austin Ramos

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EDUCATION

**Bachelor of Applied Science, Computer Science &
Bachelor of Arts, Economics**
Washington University in St Louis
St Louis, MO.

Class of 2019

EXPERIENCE

Twitter

June 1 – Present

Software Engineering intern- Test Frameworks.

- Developed end to end features in Diffy Proxy- a Proxy server which multicasts requests sent to it, used for load balance and regression testing.
- -Created an API in Diffy Proxy to allow users to edit destination routes.
- -Added functionality for users to specify rate limits or traffic configurations per endpoint per destination, to help developers test low volume API's.

Object Computing Inc.

August 2017 – March 2018

Software Engineering intern.

- Wrote unit tests and debugged a parser for an internal Trie data structure used in a variety of webserver and IoT projects at OCI.
- Developed and Debugged the application layer of "Pronghorn," a lightweight, non-blocking, and garbage-free Java event-scheduler library; a Pronghorn web server is at least 4 times faster than Nginx.

KPMG

June 2017 –August 2017

KTech Middleware Intern – Development Operations

- Middleware Administration(Linux)
- Deployments to QA, UAT, and Production Servers (Windows IIS)
- PowerShell and Python automation scripting

WASHINGTON UNIVERSITY IN ST. LOUIS

Aug 2015-Present

Teacher's Assistant

I have served as a Teacher's Assistant for the following courses:

- Introduction to Computer Science, Introduction to Computer Engineering, Data Structures and Algorithms.

Technologies Used: Java, Scala, Python, Java , C, Maven, Thrift, SQL , Finagle RPC, Manhattan(Distributed Database), Pants Build tools

Organizations:

Society of Hispanic Professional Engineers

Oct 2016 - Present

Role- Founding member - Vice President of Outreach

Computer Science undergraduate advisory board

Oct 2016- Present

Role – General member

PERSONAL PROJECTS (<https://github.com/AustinRamos>):

- Contributed to APRETASTE, an open-source project that connects Cubans to the uncensored internet through the use of email based services.
 - Translated existing service documentation from Spanish to English.
 - Attended developer meet ups to explain the existing code base to other open source developers.
- Worked with a restaurant marketing company and three other students to create an angular web application using the MEAN stack to formulate group discount deals on birthdays as well as to organize other events for local restaurants in the St. Louis area.
- Created Relational SQL Database from scratch in Java, utilizing heap files and heap pages, as well as JSQL API to convert SQL queries to parse trees.

- Created “Locate&Defibrillate”, a native IOS application which helps bystanders find the nearest AED location in the event of a cardiac emergency on Washington University in St. Louis’s Campus.
- Implemented relatively simply Blockchain in Python with REST endpoints using Flask