

# Andres Orozco

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### Education

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#### University of California - Irvine

September 2016 - June 2020

Major: Computer Science | Specialization: Information

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### Relevant Experience

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#### Camp Louemma / Camp Counselor

June 2017 - August 2017, Sussex, NJ

Worked as a general counselor for kids ranging from 7-9 years old in a bunk at an overnight summer camp. Was responsible for the care, aid in independence, and the gaining in leadership skills by providing a safe environment for campers.

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### Projects

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#### Discord Bot

July 2019 - PRESENT

Utilizes Amazon's AWS EC2 remote computing platform and is written completely in Python. Uses numerous of technologies like YouTube's API, Python's PIL, BeautifulSoup4, and others for a 600+ member server.

Code: <https://www.github.com/lemontwig/BreadBot>

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#### Search Engine / Information Retrieval

December 2019

Developed a search engine that has an average response time below 300ms for over 100,000 web pages under memory constraints. Uses NLTK to stem words in the inverted-index, defragmentation of URLs to avoid duplicates and TF-IDF calculations for better ranking of webpages for the user.

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#### The Tarantula Approach for Fault Localization / Software Testing, Analysis, and Quality Assurance

December 2018

Used the empirical Tarantula Approach to find the faultiest line of code from a given project file via Defects4j. Created multiple python scripts to parse through thousands of XML files to calculate the suspiciousness score of each line and output them to a CSV file in decreasing order.