

Isaac Barrezueta

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EXPERIENCE

WEB DEVELOPMENT CO-INSTRUCTOR | NEXTGEN BOOTCAMP

July 2019 – August 2019 | New York, NY

- Instructed 7 week long Web Development course to 25 students through lectures, workshop assistance and guided projects.
- Proposed ideas when designing and developing lessons for the three sections: Swift/Xcode, HTML/CSS/JS, and Ruby on Rails.

WEB DEVELOPER | ALLEGHENY MOZILLA FELLOW

September 2019 – December 2019

- Assisted in customizing a web template to match our groups criteria.
- Used React and Gatsby to create a website with a lighthouse score in the 95th percentile.

WEB DEVELOPER | HAIRITAGE

March 2019 – April 2019 | Meadville, PA

- Consulted with Hair Salon owner and used sketch to come up with designs.
- Created a simple website using HTML and CSS with minimal JS with responsive design in mind.

PROJECTS

GATORGROUPEE | OPEN SOURCE PROJECT

- Created a CRUD web application with Django that grouped students given names and ranks, increasing efficiency of group work.
- Used pytest and CodeCov to create tests and achieve code coverage in the 80%-85% range.

SCHEDULER | OPEN SOURCE PROJECT

- Used streamlit to create a sleek web application that scheduled people into rooms given time constraints for the people and room.

SANTA BOT | NATURAL LANGUAGE PROCESSING

- Used a python wrapper for Reddit's API parse through thousands of comments per second until activated by a phrase.
- Implemented the NLTK library in tandem with classifiers from the scikit-learn library to categorize the user by searching through their comment history.

TWEET TRACKER | DATABASE PROJECT

- Leveraged the Twitter API to collect 11 million tweets in a week relating to Avengers and GoT.
- Designed a database to store the collected information
- Prepared seven graphs showing the number of total tweets found per day for each movie using Plotly.

EDUCATION

ALLEGHENY COLLEGE

BACHELOR OF SCIENCE IN
COMPUTER SCIENCE WITH MINOR IN
PSYCHOLOGY
May 2020 | Meadville, PA

SKILLS

PROGRAMMING

Java • Swift • Python
C • CSS • HTML • SQL • JS

TECHNOLOGY

Git • Raspberry Pi • MySQL
Ruby on Rails • JSON
Django • Reactjs • Gatsby

COURSEWORK

UNDERGRADUATE

Artificial Intelligence
Distributed Systems
Computer Organization
Database Systems
Linear Algebra
Web Development
Programming Languages
Algorithms
Software Engineering

SOCIETIES

National Science Foundation Scholar
Prep for Prep
Allegheny Mozilla Fellows