

Javier Mucia

Education

Queens College (CUNY), Flushing, NY.

Bachelor's Degree, Computer Science. (2017)

- Transfer Honors Program
- Computer Science Departmental Honors

LaGuardia Community College (CUNY), Long Island City, NY.

Associate's Degree, Computer Science (2015)

- GPA: 4.0/4.0
- Phi Theta Kappa
- Dean's List (2014-2015)

General Educational Development Diploma

State Of New York (2012)



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Technical Skill

C++

Java

Python

HTML/CSS/JavaScript

SQL

LaTex

R

Django

Flask

Spring Framework

Ruby on Rails

Projects

Civics Test Progressive WebApp

Implemented an interactive Progressive Web App that allows users to practice the US citizenship civics test questions on the go. Users can find out their local representatives and keep track of their knowledge of the civics quiz.

Tagalog WebApp

Used the Flask Framework to implement a web application to learn Tagalog/Filipino language. The app features notes, drills, discussion section and a leaderboard. The app was created using **Python**, **javascript**, **html**, **css**, **jinja**, **sqlAlchemy** and **Postgres db**.

OpenMRS Patient Survey Module

Implemented Java Server Pages (.jsp) and Groovy Server Pages (.gsp) using java, html, JavaScript, CSS, MySQL and the liquidbase library to create a module for the open source medical record system OpenMRS. The module allows medical offices to generate and store periodical surveys to monitor the recovery progress of patients.

Remote Database Manipulation Program

Used the java **awt**, **swing** and **sql** libraries to create a Graphical User Interface to allow easy manipulation of data in a remote database.

Sudoku App for Android

Implemented recursion and backtracking to create a program to solve any valid Sudoku puzzle in a 9x9 grid. The solver was used to create an Android application that allows the user to play Sudoku at three different levels or solve any valid Sudoku puzzle.

Program to find a 'Double Hump' pattern

Created a java program that reads the historical prices of a stock in the stock market (saved as a csv file) and identifies all the instances of predefined patterns in the historical prices.