

# Jacky Ng

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## EDUCATION

### QUEENS COLLEGE, CUNY

#### BS IN COMPUTER SCIENCE

2014 - 2017 | Queens, NY

Dean's List: Spring 2013, Fall 2013

Spring 2014, Fall 2014

## LINKS

Github://jackyng88

LinkedIn://jacky-ng-bab65b12a

## COURSEWORK

### UNDERGRADUATE

Information Retrieval

Operating Systems

Machine Learning - Image Processing

Advanced Programming in C++

Approximation Algorithms

Database Systems

Distributed Systems

## SKILLS

### PROGRAMMING

Backend

Python • Django • Django REST FW

Java • C++

Node.js • Express.js

Frontend

JavaScript • Vue.js

HTML • CSS • Bootstrap

### DATABASE SYSTEMS

Oracle • MySQL • PostgreSQL

MongoDB

### TECHNOLOGIES

Microsoft Windows • Linux

Git • Docker • Travis-CI

LaTeX

### FOREIGN LANGUAGES

Fluent

Chinese (Cantonese)

Intermediate

Korean

Beginner

Spanish

Japanese

## SUMMARY

Software Engineer with expertise with both backend and frontend technologies. Possesses excellent communication, interpersonal, and teamwork skills. A quick and highly motivated learner of new technologies.

## PROJECTS

### AMAZON DETAIL PARSER AND DATABASE

- Project written in Java with MySQL for database backend and uses Swing for the GUI. Searches Amazon for various books by ISBN.
- Extracts information from Amazon and searches by ISBN. Parses the details of the book such as author, title, price and stores the information into a local MySQL database.
- Can open a local text file with a list of ISBNs to perform a search and is able to output the contents of the database to a text file.

### QUORA-LIKE SINGLE PAGE APPLICATION

- Single-page application that functions similarly to Quora. Written with the Vue.js Javascript framework and Bootstrap for CSS styling in the frontend bundled using Webpack. Python, Django, and the Django REST Framework for the backend REST API.
- Has various features similar to Quora such as user registration/authentication, posting questions, adding answers, deleting answers, editing, liking, all of which utilize the REST API.

### RECIPE APP REST API

- REST API written in Python, Django (ORM, Admin) and the Django REST framework.
- Uses Docker for image containing, PostgreSQL for the Database, Travis-CI for continuous integration.
- Developed using Test-Driven Development (TDD) methodologies by implementing unit tests and mocking before implementing features.
- Allows users to access various endpoints of the API such as uploading images, creating new recipes, and filtering recipes by ingredients or tags.

### FLASK APP ON AWS EC2

- Simple UI written in Python, Flask, pandas, HTML, Docker and hosted on a CentOS 7 AWS EC2 server.
- Flask app that pulls data from external APIs in the form of csv/json and manipulates the datasets with pandas and is displayed with endpoints.
- The app is Dockerized running on an AWS EC2 server running CentOS 7.

## EXPERIENCE

### TRUE HVAC | HVAC TECHNICIAN

2013 - 2018 | New York, NY

- Worked and completed projects in teams while constantly meeting deadlines.
- Acted as intermediary and liaison between teams of different trades and resolved various impasses to ensure a streamlined and efficient environment.
- Read schematics and conveyed to team members necessary steps needed to be performed.
- Often communicated with site supervisors and project managers to compensate for constantly changing requirements and adjustments.