Jacky Ng

128 Baxter St. Apt. 1 New York, New York 10013
jacky.ng9188@gmail.com | (646)318-8679

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
Python • Django
Java • C++
JavaScript • React.js

DATABASE SYSTEMS
Oracle • MySQL • PosgreSQL
MongoDB

TECHNOLOGIES
Microsoft Windows • macOS • Linux
Git • Docker • Travis-CI
LaTeX

FOREIGN LANGUAGES
Fluent
Chinese (Cantonese)

Intermediate
Korean

Beginner
Spanish
Japanese

SUMMARY

Software Engineer with extensive education of software design and object-oriented programming. Possesses experience requiring excellent communication and interpersonal skills, supportive and attentive to others within a team environment. 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.

MULTICLASS CLASSIFICATION ON DATASETS AND IMAGES
- Program written in Python with numpy, scipy, and sklearn libraries and machine learning principles.
- Goal of training the model using gradient descent, classifying various datasets (as well as CIFAR-10 images) and predicting their class.
- Uses a sigmoid function for binary and a softmax function for multiclass classification that constantly updates a weight vector with our cost gradient.

RECIPE APP REST API
- REST API written in Python, Django (ORM, Admin) and the Django REST framework.
- Uses Docker for image containing, PosgreSQL 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.

EXPERIENCE

CUNY STARTUPS | Hackathon
2016 | New York, NY
- Worked within a team of various skillsets and focuses (front end, back end, DBA, marketing)
- Adapted to the loss of our DBA, learned MongoDB and finished project on time.

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.