

MAGGIE CAO

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Flexible software engineer with a broad range of self-taught coding in Python, Machine Learning, CSS and Web Automation.

WORK EXPERIENCE

Women Who Code, Non-Profit Organization New York, NY
General Volunteer Aug. 2023 – Present

- Organized a virtual coding event for women regarding data structures
- Gave a talk on the linked list data structure to help women understand and visualize how to solve the reversed linked list problem on Leetcode

TANE organics New York, NY
Digital Administrator (Contractor) Mar. 2018 – Aug. 2023

- Instantiate aspects of Shopify websites, including the blog, collections and gift ideas pages
- Integrate code for Google keywords to boost sales conversion and click through rate for the company
- Manage a variety of social media platforms and ads: Instagram posts, Shopify emails and Facebook/Google ads for consumer retargeting
- Create website popups and maintain website for email subscriptions, promotions and product launches

Android Application Automation New York, NY
Freelance Software Developer (Contractor) Sept. 2020 – Dec. 2020

- Automate a mobile tool for chatting and sending messages through various Android applications
- Authenticate certain functionalities in Java to ensure that the application runs smoothly with cases of alternative popups and incoming calls

Independent Online Reseller New York, NY
Reseller Mar. 2018 – Present

- Handle purchases from reputable and experienced wholesalers to create a small online retail business on marketplaces like eBay, Mercari and Poshmark
- Produce hands-on experience on profitable merchandise by optimizing brand apparel sales analytics and current market trends

TECHNICAL SKILLS

Programming Languages: Python

Technical Tools: Linux Command Line Interface

EDUCATION

Brooklyn College Brooklyn, NY
Bachelor of Science in Computer Science Sept. 2014 – Dec. 2017
GPA: 3.39/4.00

INFLUENTIAL PROJECTS

Web Automation and Crawler Sept. 2022 – Dec 2022

- Architect a web application using Selenium Python for posting new images and descriptions
- Retrieve trending items and sold price points on reseller sites using Web Crawler
- Utilize PostgreSQL to organize, store and retrieve relevant text data and their item representations

Simple Shapes Classification using CNN (Computer Vision) Sept. 2017 – Dec. 2017

- Trained a convolutional neural network that can successfully classify 2-D simple shapes on a self-configured Google Cloud Virtual Machine
- Performed a test set with 90% accuracy and a 1% loss on 20,000 images using Keras in Python

- Generated an asynchronous code section that can very quickly create random files of drawn simple shapes of circles, triangles, squares and rectangles into thousands of respective folders.

Mirai Botnet Research/Testing (Computer Security)

May 2017

- Executed the Mirai source code using two Linux servers and mySQL
- Analyzed the cross-compiling processes, loaders and CNC tables that were necessary for master and bot configurations