

MAGGIE CAO

Software Engineer

With a bachelor's in computer science from Brooklyn College, I am passionate about creating solutions through coding.

- Developed neural network from scratch that can perform at 90% accuracy using Keras API and Google Cloud platform
- Executed the Mirai botnet DDOS attack as a Computer Security project
- Automated web functionalities in Chrome for repetitive tasks

Contact

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WWW

<https://mahgieeee.github.io/>

LinkedIn

<https://linkedin.com/in/mahgieeee>

Technical Skills

Python



Command Line
Tools (Linux)



Work History

Mar 2018 -
Aug 2023

Digital Administrator (Contractor)

TANE organics, New York, NY

- Instantiated aspects of Shopify pages (blogs, collections)
- Managed social media platforms and ads: Instagram posts, emails and Facebook/Google ads for consumers

Jan 2023 -
Current

General Volunteer

Women Who Code, New York, NY

- Organized virtual coding data structures event
- Gave talk on linked list data structure by solving linked list problems on Leetcode

Oct 2013 -
Nov 2014

Part Time Retail Associate

Crate And Barrel, New York, NY

- Accurately processed POS transactions, returning coin, currency, payment cards, and receipts to customers
- Solved customer challenges by offering relevant products and services

Projects

Simple Shapes Classification using CNN (Artificial Intelligence)

- 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 API in Python

Mirai Botnet Research/Testing

- 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

Web Automation and Crawler

- Architect a web application using Selenium Python for posting new images and descriptions

Education

Sep 2014 -
Dec 2017

Bachelor of Science, Computer Science

Brooklyn College - Brooklyn, NY

GPA: 3.39/4.00

Sep 2008 -
Mar 2014

Architecture

Cooper Union - New York, NY

