

Dominican University (Make School)

Bachelor of Science in Computer Science - March 2020

University of California Berkeley

Associate of Arts in Computer Science - March 2018

https://garyf.dev

Github - imthaghost

hello@garyf.dev

Experience

Paysplit | Backend Engineer

PAYSPLIT

April 2020 - Present

Responsibilities :

Developed and designed API end-points.

Developed SQL queries for database schema

Contanerized API with Docker

Annotated API end-points/routes with Swagger Docs

Developed server routing logic with gRPC architecture in Go(Golang)

Developed NFC payment splitting technology in C++/Golang

Developed web components with Rust WASM

Configured Linux server AWS(EC2) instance

Wrote route and unit tests

Elite Cyber Group | Red Team Pentester (Remote)

ECG

Jan 2018 - Dec 2018

Responsibilities :

Developed Python tools that automated penetration tests.

Utilized tools such as Nmap, Wireshark to perform network analysis.

Developed C++ implementation of TCP packet manipulator which incl uded retransmission, out-of-order packets and missing data

Wrote firewall rules with IPtables on Linux server for analysis

Thoroughly documented exploit chain/proof of concept scenarios and exploits.

Salesforce | Data Analyst Intern

SALESFORCE

June 2017 - Nov 2017

Responsibilities :

Developed Python customer behavior classification algorithm.

Developed Python algorithm that optimized system performance by 5 0%.

Wrote unit tests

Projects

The following is a summary of my open source projects and learning. For details, please click the link to view the document

GOLANG

gocloner - Utilizes powerful Go routines to clone websites to your computer within seconds.

gostream - Dockerized realtime streaming API written in Golang

scdl - A CLI tool utilizing a go routine pool ensuring multiple thread safe and fast downloads from SoundCloud within seconds.

Stock API - Stock data gRPC API built in Go. Various endpoints regarding stock data scraped directly from Yahoo Finance. Use this for a quick start regarding stock data

multiplexer - Easily manage concurrent streams over a single TCP connection via HTTP2

C++

nfc - This is a Go wrapper for Libnfc. Libnfc is a library written in C and C++ which allows userspace application access to NFC devices.

PYTHON

blacklister - A IPv4/IPv6 blacklisting application via Radix Tree

tweetGen - Tweets generated via Markov Chain.

Skills

Backend

Used technologies to develop microservices and web applications

Golang (Go), Echo, Gin

Rust, Rust WASM

Python, Flask, Django

C, C++

Dev Ops

Docker

AWS

Kubernetes

Caprover

Heroku

Security

Perform network forensics and exploitation

CCNA (Security) - Certified

TCP/IP Protocol Suite

Wireshark

Nmap

Metasploit

BURP Suite

HTTRACK

Database

MYSQL

PostgreSQL

MongoDB

Redis