

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

April 2020 - Present

Responsibilities :

▪ Design api end-points and database schema.

▪ Utilize backend technologies such as: [Typescript](#), [Docker](#), AWS(EC2, Cognito), Swagger Docs

▪ Write route and unit tests

Elite Cyber Group | Red Team Pentester (Remote)

Jan 2018 - Dec 2018

Responsibilities :

▪ Automated web application penetration tests in Python.

▪ Utilized tools such as [Nmap](#) to perform network reconiscence for vulnerability analysis.

▪ [C++](#) implementation of TCP reassembly logic which included support of TCP retransmission, out-of-order TCP packets and missing TCP data

▪ Thoroughly documented exploit chain/proof of concept scenarios.

Salesforce | Data Analyst Intern

June 2017 - Nov 2017

Responsibilities :

▪ Built [Python](#) implementations of statistical models, such as classification algorithms, to evaluate customer behavior.

▪ Improved software to optimize performance, usability, and research reproducibility by 50%.

▪ Work closely with others on the Salesforce Data Analytics team, as well as cross-functionally with product, marketing, engineering, and business teams.
- Projects
- The following is a summary of my open source projects and learning. For details, please click the link to view the document

[GOLANG](#)

▪ [goclone](#) - 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.

▪ [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
- Golang

Used technologies to develop microservices and web applications

▪ Golang (Go)

▪ Echo

▪ Gin

C | C++

Used technologies to automate network applications at Data Link Layer

▪ C

▪ C++

▪ [CGo](#)

Python

Used technologies to build ML algorithms and web applications

▪ Python

▪ Flask

▪ Django

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

Web

▪ Javascript, Node.js, Typescript

▪ CSS, SCSS(webpage reconstruction)

▪ React, Vue, Angular