

Make School

Bachelor's degree - March 2021

University of California Berkeley

Associate Degree - March 2018

<https://garyf.dev>

Github - imthaghost

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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
- Officengine | Software Engineer

Feburary 2018 - March 2019

Responsibilities :

 - Automated manual services decreasing expense cost by 20%.
 - Interpreted data, analyzing results using statistical techniques
 - Create and maintain optimal data pipeline architecture
- Salesforce | Data Analyst Intern

Feburary 2018 - March 2019

Responsibilities :

 - Built and tested 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
- [goclone](#) - Utilizes powerful Go routines to clone websites to your computer within seconds.
 - [gostream](#) - Golang realtime streaming API
 - [scdl](#) - A CLI tool utilizing a go routine pool ensuring multiple thread safe and fast downloads from SoundCloud within seconds.
 - [nfc](#) - This is a Go wrapper for the Libnfc. Libnfc is a library which allows userspace application access to NFC devices.
 - [blacklister](#) - A radix tree implementation of a IPv4/IPv6 blacklisting application
 - [tweetGen](#) - Generates sentences that are calculated via a stochastic model describing a sequence of possible events in which the probability of each event depends only on the state attained in the previous event (Markov Chain) and are then tweeted.

Skills

- Web
 - Advanced knowledge of: [Javascript](#), [Node.js](#), [Typescript](#)
 - Proficient knowledge of: [CSS](#), [SCSS](#) (webpage reconstruction)
 - Proficiency in front-end frameworks: [React](#), [Vue](#), [Angular](#)
- Python

Mastered the basic grammar and Python standard library.

 - Advanced knowledge in frameworks: [Django](#), [Flask](#)
- Golang

Mastered the basic grammar and Golang standard library.

 - Advanced knowledge in frameworks: [Echo](#), [Gin](#)
- C | C++

Used C/C++ to develop large complex applications, advanced knowledge of principles and rich experience in ecological technology stack.

 - [CGo](#)
 - [Cython](#)
- Security

Advanced understanding of networks and routing, and software exploitation.

 - CCNA (Security)
 - TCP/IP Protocol Suite
 - Wireshark
 - NMAP
- Database

Proficiency of basic concepts of relational databases, and understand database performance optimization methods.

 - MYSQL
 - PostgreSQL
 - MongoDB
 - Redis
- Dev Ops

Advanced knowledge of systems development life cycles and services.

 - Docker
 - AWS
 - Kubernetes
 - Caprover
 - Heroku