https://garrepi.dev

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EDUCATION

Georgia Institute of Technology

Incomplete B.S. in Computer Science with a minor in Mathematics, GPA 3.31

- Thread selection in Devices and Systems & Architecture

Atlanta, GA

Aug 2019 - Spring 2020

The University of North Carolina at Charlotte

Freshman year studying Computer Science with a minor in Mathematics, GPA 4.0

Charlotte, NC Jul 2018 - May 2019

RELEVANT SKILLS

- C/C#/C++, Java, Python, Swift, PHP, Javascript, Objective-C, Rust, Haskell, Bash
- SQL, MongoDB, REST APIs, ReactNative, NodeJs, MariaDB, *nix Systems, GraphQL, UI/App Kit, SwiftUI

EXPERIENCE

Barrel Proof Apps Atlanta. GA Independent Contractor Aug 2020 - Nov 2020

- Built and maintained infrastructure to meet the demands of clients
- Utilized React Native, MongoDB, and NodeJs to build an inspection utility app used by QI2

SameTunes - sametunes.com

Fullstack Developer, Interim CTO

Atlanta, GA

May 2020 - Nov 2020

- Migrated an existing codebase to a type-safe MVVM architecture
- Increased speed, stability, and code uniformity while decreasing duplication, database calls, and page load times
- Built and implemented a caching engine that has stored over 15 million items to reduce Spotify's rate limiting
- Designed a majority of the APIs, frontend pages, and backend logic used throughout the entire platform today

Kabbage Atlanta, GA Mobile iOS Engineer Intern Iun 2019 - Dec 2019

- Studied and implemented a GraphQL middle layer between the client application and backend

- Reverse engineered a third party Framework to directly interact with a REST API for credit card processing and payments
 - Designed and updated a majority of the frameworks and views used in the "Payments" portion of the app

Trafficlight Charlotte, NC

Co-Founder, President, Head iOS Developer

Jul 2017 - Nov 2019

Culturebase Atlanta, GA Dec 2018 - Jul 2019 Mobile iOS and Backend Engineer

PROJECTS

Hunger Games - a REST server that analyzes RTSP video streams to determine line length

- Utilized OpenCV to detect and abstract the movement of people between multiple video streams
- Built and deployed a REST API onto an AWS for front-end consumption
- Lead team over three days from start to finish developing a REST backend, iOS client, and web client

Title Timer - a MacOS title bar program to track time spent on applications and user defined tasks

- Parsed output from bash to display processes' name, uptime, and locate icons
- Used UTC timestamps and UserDefaults to track time without impacting system resources

HyperSwift - a Swift DSL to build dynamic HTML pages styled by CSS currently generating my personal website

- Used internal Swift features, like function builders, to create a powerful and dynamic API interface

Ping++ - an implementation of ping in C++ from scratch

- Read through the Linux source code and headers to implement ICMPv4 and 6 echoing and receiving
- Successfully implemented the majority of features that the POSIX ping binary provides

CLUBS/AWARDS

MLH Local Hack Day 2018 - Awarded "Best Hacker Community Project" for an iOS application solely developed (Jottr)

HackCLT - Placed 2nd in "Best Hack" for anonymizing, filtering, and displaying patient data through heatmaps

CodeNine - Taught fellow club members introductory iOS development and penetration testing

Game Developers - Learned effective methods for identifying, meeting, and shaping users' needs and behaviors

ISACA (Information Systems Audit and Control Association) - Developed skills to audit and secure networked systems **INTERESTS**