Jordan **Guada**

Undergraduate Student · Software Engineer

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Education

University of Central Florida — *Orlando, Florida*

B.S. in Information Technology — *July 2017 - Present*

Expected: Spring 2023

Skills

Programming Go, TypeScript, JavaScript, Windows Batch, Python, SQL, C#, Java, C

Tools Git, Bitbucket, Visual Studio, CLion, GoLand, Visual Studio Code, Jenkins, Jira, Confluence, Workbench SQL, DataGrip, Postman, PuTTY, Firezilla, Charles, Fiddler, Chrome DevTools, MITMProxy

Languages English, Spanish (Receptive bilingualism)

Abstract Data Structures, Reverse Engineering, Regex, Architecture, Object-Orientated-Programming

Experience

Microsoft — *Remote*

Software Engineer — *August 2023 - Current*

- Microsoft C+AI (Azure)

Microsoft — *Remote*

Software Engineer Intern — *May 2022 - August 2022*

- C#, TypeScript, JavaScript, HTML, CSS, Windows Batch
- Azure Compute - Capacity Infrastructure Service (CIS) - Scalability Team
- Developed an internal Visual Studio Extension tool to assist over 200+ Azure CIS team user's development experience and diminish common JobType templating build errors.
- Modified an internal C# tool to assist future Azure CIS team user's development experience to create impact towards future projects regarding JobType templating.

Hayha Bots — *Remote*

Software Engineer — *Feb 2022 - Current*

- Go, Python, JavaScript
- HayhaAIO is a software that allows users to use a graphical user interface or a command line interface to automate the purchase of items sold on a third-party retailer's websites.

World Tech Miami — *Remote*

Freelance Software Engineer — *July 2020 - Current*

- C#
- Developed from scratch and used prior knowledge of automation, problem-solving, data structures, resource management, API referencing to create various programs for a client. The program's purpose is to perform automation to auto-checkout items and report back properties of successful checkouts to the user's CSV in real-time on various websites.
- All programs used Selenium to perform browser automation involving relevant algorithms, numerous data structures in C# while also incorporating Google Sheets API to pull and post information in cloud CSV files.

HSN — *Remote (St.Petersburg, Florida)*

Software Engineering Intern — *Jun. 2021 - Aug. 2021*

- Python, Java, SQL
- Worked with the Product Experience (PXP) team to create tools that assisted finding inconsistencies of renewed services data based on their obsolete form.
- Creating documentation in Confluence and viewing tickets in Jira.
- Utilized Jenkins for test jobs during development.
- Practiced the software development life-cycle through agile scrum meetings.
- Worked alongside other HSN/QVC interns to create a MVP which consisted of mitigating risk and data of local network databases created on Microsoft Access by creating a new infrastructure in the Azure cloud environment while using Microsoft Power Platform as the powerhouse of the application.

Dash Proxies

Remote

Freelance Software Engineer / Digital Marketing Coordinator [Entrepreneur Project] *Mar. 2020 - July 2021*

- Python, Node.js
- Developed from scratch and solidified knowledge of the server-side events, JS programming, and resource management to develop a backend to an entrepreneur-style business dedicated to selling web proxies.
- Used multiple APIs' to assist functions such as data-allocation distribution, deletion, and monitoring.

PT Genie

Orlando, Florida

Software Quality Assurance Engineer Intern *Dec. 2020 - Mar. 2021*

- Python, C#, SQL
- Testing mobile and web applications on numerous platforms and devices.
- Creating test cases/suites using Selenium/Requests in C# and Python.
- Reporting and tracking bugs using Jira.
- Participate in daily stand-ups and sprint planning (SCRUM).
- Interacting with dev-team daily to combat bugs so seamless source code makes it to production.

Professor Buddy

Language - Python

Project

- Utilizing the power of requests, and data-structures this application's foundation is based in Python.
- The purpose of this CLI-program is to allow the user to search for a professor's or list of professors and receive the RateMyProfessor score instantly during runtime.

Magic Number Butler

Language - Go

Project

- Deobfuscated JavaScript file of a challenge protection given by popular anti-bot company: DataDome, to a readable version.
- Ported script from JavaScript to Go, which required knowing bit shifting and data-structures.
- Able to recreate the same magic number challenge answer from a browser session in a CLI IDE session which bypasses their bot protection through requests.

AntiCaptcha Assistant

Language - Go

Project

- Created an API wrapper for a popular service AntiCaptcha which allows dynamic captcha solving from their workers.
- Utilizes a curl request job system that is created and maintained in Go.
- Compatible with AntiCaptcha's services that offer: ImageToText, reCAPTCHA V2 and V3.

GoAkamai

Language - Go

Project

- A 4 month project in which I challenged myself to reverse engineer Akamai's Bot Manager which guards over 100+ websites across the internet in which included one of the websites that I needed to scrape.
- De-obfuscated the embedded JavaScript file to a readable version and broke down each function step one by one.
- Ported a working version from JavaScript which required an understanding of the data-structures, hashing techniques, bit-shifting tricks, creating mouse data algorithms using Perlin Noise, and recursion within the script to port it to Go.
- The library created enables a cookie client to be generate client side that is used for their bot protection within 200 milliseconds depending on the quality of the internet connection.
- Housed the library in an API using GoFiber which is ran currently on AWS EC2 instances with API gateway including a application load balance that checks for network or CPU ingress and will scale up during any ingress situation and generates over 100k cookies a month.

Project Solaire

Language - Go

Project

- An ongoing project that involves web-automation to purchase limited high commodity NFT's on the internet.
- Request automation ranges from sites such as VeVe to using EIP-trasnaction types to mint through the Ethereum block-chain. Using the power of requests each module is built in their own specified instructions which is derived from recording and recreating the requests in function sets.
- All created on the backbone of the Go framework.