

Michael Sarfo

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EDUCATION

Kean University

Graduation Date: May 2027

Bachelor of Computer Science

Relevant Coursework: Java OOP, Discrete Mathematics, Data Structures, Computer Architecture

TECHNICAL SKILLS

Languages: Python, Go, Java

Frameworks/Libraries: Flask, FastAPI, JSON, CSV, OpenAI, Selenium, Requests, FastHTTP, FastJSON

Developer Tools: Git, GitHub, VS Code, IntelliJ, Linux, Azure, Fiddler, MiTM, JADX

EXPERIENCE

Freelance Developer

Union, NJ

Online Service

Sep 2021 - Mar 2022

- Launched a freelance service to create custom automation tools for various client projects.
- Built programs using Python and Go, utilizing frameworks and libraries like **Flask**, **Selenium**, **Requests**, **FastHTTP**, and **FastJSON**.
- Built a strong reputation in online developer communities by consistently delivering software that met client needs, resulting in a **35%** increase in client traffic by the end of 2021.

PROJECTS

HCaptcha Solver | Python, Javascript, Web Assembly, Chromedriver, Flask

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Captcha Solver

Jan 2024 - June 2024

- Reverse-engineered and automated solving of HCaptcha text challenges using artificial intelligence.
- Employed **OpenAI's** ChatGPT-3.5 model to answer captcha questions and store them into a database for reuse.
- Bypassed bot detection with an undetected **Chromedriver** to mimic realistic browser fingerprints, complemented by a custom mouse and keyboard simulator, achieving a **95%** captcha success rate.

Twitter Auto-Replier | Go, FastHTTP, FastJSON

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Automatic Replier

Sep 2023 - Jan 2024

- Developed an automated program leveraging Twitter's API to monitor specified accounts and instantly reply to new tweets.
- Integrated custom image replies, along with automated retweets and likes using fresh accounts, to enhance tweet ranking and engagement.
- Achieved a **25%** increase in tweet interactions, boosting visibility and reach.

TikTok API Signatures | Python, Java, Frida, Flask, MiTM

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Signature Generator

Feb 2022 - June 2022

- Developed a multi-purpose script to interact with TikTok's native functions, generating accurate "X-Gorgon" and "X-Khronos" signatures and simulating device registration for API access.
- Leveraged **Frida** to hook into native functions for signature generation.
- Created a local API with **Flask** to facilitate signature generation, improving accessibility and usability.

ACTIVITIES

ACM (Association for Computing Machinery)

Union, NJ

School Club

Sep 2024 -Present

- Active member of ACM, engaging in computing events, collaborative projects, and staying current with industry trends.