

Garrett McGuire

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EDUCATION

Kennesaw State University

Kennesaw, GA

Bachelor of Science in Software Engineering, Minor in Computer Science - 3.88 GPA

May 2021 – May 2025

- Relevant Coursework: Programming 1 & 2 (java), Intro to SWE, Database Systems, User-Centered Design, Computer Architecture, Data Structures, Software Testing & QA, Software Architecture & Design.

EXPERIENCE

Software Engineer Intern

April 2024 – Present

Center For Internet Security

remote

- Orchestrated and executed product releases in an Agile environment, ensuring smooth deployments and minimizing downtime.
- Contributed to the development of new features and resolved critical bugs and security vulnerabilities, enhancing product functionality and user experience.
- Actively participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, contributing to continuous improvement and team collaboration.

Cyber Threat Intelligence Analyst Intern

September 2022 – April 2024

Center For Internet Security - MS-ISAC

remote

- Developed Python script for automating IOC extraction from emails to Threat Intelligence platform, saving analysts 1-2 hours weekly.
- Built and taught a software engineering course, covering topics such as software design, testing, and best practices.
- Conducted advanced static/dynamic malware analysis and produced comprehensive write-ups of malware families.
- Contributed to developing an IOC parser, automating a previously manual process, and significantly enhancing the delivery of verified IOCs to SLTT members, saving analysts 10+ hours weekly.

PROJECTS

AlgoAcademy | *HTML, CSS, JavaScript, Go, Gin*

- Conceptualized and led the development of AlgoAcademy, a free Go programming language learning platform with a structured curriculum, challenges, and accompanying YouTube video tutorials.
- Developed core modules such as Setting up Your Go Environment, The Anatomy of Go, and Data Types in Go, providing a comprehensive foundation for learners.

Restful API | *Go, Gin*

- Developed a Go Todo List REST API utilizing the Gin web framework to facilitate efficient todo list management through JSON data manipulation.
- Enabled a suite of operations including retrieval, addition, and update functionalities for todo list items within a RESTful service architecture.

Threat Intelligence Feed - Slack/Discord | *Python, RSS Feeds, Git, API's*

- Developed a Python-based Slackbot to provide real-time updates on ransomware incidents, fetching data from a JSON feed and posting alerts in a designated Slack channel.
- Implemented customizable alert mentions and timestamp tracking to ensure timely notifications and avoid duplicate updates for new ransomware victims.
- Customized to send alerts on known MS-ISAC entities.

EXTRACURRICULAR & CERTIFICATIONS

Microsoft Learn Student Ambassador KSU - President

April 2023 – May 2024

CompTIA: Security+, TCM Security: Practical Junior Malware Researcher (PJMR)

TECHNICAL SKILLS

Languages: Java, Groovy, Grails, Go, Python, C/C++, SQL, JavaScript, HTML5, CSS3

Frameworks: Node.js, Express.js, Flask, Tailwind, Gin, Fiber

Developer Tools: Git, GitHub, AWS, Bitbucket, Docker, Neovim, VS Code, IntelliJ, Jira, Confluence, Postman.