Lewis Callaway

641-529-6520 | lewisc@iastate.edu | Ames, Iowa

CAREER PROFILE

Problem-solving individual with experience using technical prowess and an ability to adapt to new business domains quickly. Brings technical skills in software development and cyber security as well as client discovery, communication, and a track record of delivering successful projects.

EDUCATION

Master of Business Administration	Aug 2022 - May 2024

Iowa State University, Ivy College of Business

Software Engineering	Aug 2019 - May 2024

Iowa State College of Engineering - Cyber Security Minor - 3.98 GPA

SKILLS

Technical Skills: Python, Java, C, SQL, Spring, PHP, Flask, AWS, Metasploit, TCP/IP Networking, Server Administration, VOIP
Tools: Linux, Networking Hardware, JetBrains, Git, Alexa Skills Kit

PROFESSIONAL EXPERIENCE

Owner - Callaway Technologies LLC	2019 - Present

- Started profitable IT services company that coordinated complex projects for clients in varied industries including media, recruiting, and communications
- Constructed two web applications, implemented 10+ complex Wi-Fi networks, produced over fifteen custom Amazon Alexa skills, and handled countless general IT problems
- Transformed one-time RV Park Wi-Fi installation into a repeatable service that was successfully marketed to parks in four states

Cyber Security Testing Intern - RSM US LLP	Summer 2022

- Conducted internal, external, and physical penetration tests with testing team members
- Found multiple critical vulnerabilities in real estate and financial firms
- Recommended additional sales opportunity to firm partners after visiting a client for a wireless security test
- Developed additional social engineering resources for testers to increase testing success
- Placed first in an intern automation challenge after finding a modular and repeatable process for automating an audit

Software Engineering Intern - Kingland Systems	2017 - 2019, Summer 2020, Summer 2021

- Created and executed load tests to reduce bottlenecks in a software backend saving seconds on large API queries
- Spearheaded an effort to upgrade the Python version on AWS Lambda for serverless functions
- Worked with a team to resolve UI and backend bugs on a complex codebase
- Initiated and produced an intern video to assist with future recruitment efforts

PROJECTS

Wireless Internet Service Provider Network Engineering	Jul 2022 - Present

Consulted and executed a migration from bridged to routed architecture increasing reliability for 800+ subscribers

SE 317 Software Testing Group Management	Jan 2022 - May 2022

Nominated group leader of nine-member team and broke down project work into manageable and fair assignments

Accounting Office Low Voltage Build	Nov 2021 - Mar 2022

Planned and executed a retrofit of a retail space into an accounting office with only three hours of downtime

IAAIS Program Share Web Application	Dec 2020 - Jul 2021

Proposed, built, deployed, and supported a custom application to facilitate the sharing of audio files among IAAIS members

EXTRACURRICULAR ACTIVITIES

Software Engineering student advisory council, ECpE student advisory council, CASTLE technology fee committee