

KYLE MAATALLAH

(203) 939-2204 • kmaatallah24@gmail.com • linkedin.com/in/kyle-maatallah • github.com/kyruu

EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC

May 2022

Computer Science (B.A.); Kenan-Flagler Business School (B.S.B.A.)

- **GPA:** 3.74
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Organization, Modern Web Programming, Data Science in the Business World, Files and Databases, Programming Language Concepts, Software Engineering Laboratory, Models of Languages and Computation, Discrete Math

EXPERIENCE

Cisco – San Jose, CA

Software Engineer II

Nov 2023 – Present

- Leverage knowledge in Java, JavaScript, HTML/CSS, Angular, and Stencil.js to deliver monthly, functional enhancements to Cisco's CPQ (Configure, Price & Quote) eCommerce platform
- Lead projects aimed at reducing technical debt, including design, development, testing, deployment, and post-release monitoring, through refactoring of backend REST APIs
- Utilize application monitoring tools such as Splunk, Elasticsearch, and AppDynamics to proactively reduce production exception counts and optimize performance bottlenecks

Software Engineer I

July 2022 – Nov 2023

- Standardized and simplified consumption and processing of Kafka records across all subscribed topics
- Decreased MongoDB oplog size by developing optimized queries for single and multi-field document updates
- Minimized security vulnerabilities by encrypting sensitive customer data via JSON Web Token

Software Engineering Intern

May 2021 – August 2021

- Abstracted complex business logic through implementation of industry-standard design patterns, reducing future resources required to both add new features and modify existing ones
- Improved code quality by reducing code duplication density from 4.0% to 3.4% (~1600 lines)
- Nominated for Intern of the Month in June

IBM – Cambridge, MA

May 2020 – July 2020

Technical Solution Specialist Intern

- Developed IBM Watson Assistant chatbot as part of 2020 Call for Code initiative to provide critical COVID-19 infection and hospitalization statistics
- Created code pattern demonstrating the benefits of integrating IBM MQ Bridge middleware with IBM Blockchain Platform on IBM Z Platform

Fizz Studio (Data Visualization Startup) – Chapel Hill, NC

February 2019 – May 2019

Web Developer Intern (unpaid)

- Facilitated projects focused on making data visualizations accessible to all, including those with vision disabilities
- Created HSL Color Picker using HTML/CSS and JavaScript

PROJECTS

Personal Website ([Link](#))

- Developed web application using HTML/CSS and JavaScript to highlight academic and professional experience

Snake Game ([Link](#))

- Recreated classic snake game into complete web application using HTML/CSS and JavaScript
- Leveraged Google Firebase for authentication, hosting, and data storage

Covid-19 Chatbot

- Designed web-based chatbot using Node.js to provide critical COVID-19 infection and hospitalization statistics
- Employed IBM Watson Assistant's AI and natural language processing technology to generate responses

SKILLS

Languages: (*proficient*): Java, JavaScript, TypeScript, HTML/CSS; (*familiar*): Python, C, SQL, Node.js

Tools/Frameworks: (*proficient*): Git, Angular, Stencil.js, Nginx, IntelliJ, Log4j, Kafka, MongoDB, Jenkins, JUnit, REST, Spring, Splunk, Elasticsearch; (*familiar*): React, Linux/Unix, Selenium, AppDynamics, Spinnaker, Docker, Kubernetes