

# SPENCER KING

"Discipline is the bridge between goals and accomplishments."

## CONTACT INFO

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## ABOUT ME

Dedicated, energetic, and motivated computer science PhD student with 5 years of experience seeking to utilize my diverse skill set to add value to your company.

## PROJECTS

- IoT Detection** - Building an application to detect and enumerate potentially vulnerable internet of things (IoT) devices in large networks. [Project 1 Info](#)
- Universal Smart Web Crawler** - Working to create a universal smart web crawler that can be used to identify social engineering attacks on the web. [Project 2 Info](#)
- Bitcoin Wallet Address Classification** - Creating a methodology to classify Bitcoin wallet addresses as a class of market participants by analyzing the entire BTC ledger. The ledger is parsed and imported into Neo4J as a network map to facilitate said analysis. [Project 3 Info](#)

## TECHNICAL SKILLS

Python	● ● ● ● ●
R	● ● ● ● ●
SQL	● ● ● ● ●
Java/Scala	● ● ● ● ●
JavaScript	● ● ● ● ●
C/C++	● ● ● ●
Neo4J	● ● ● ● ●
Power BI	● ● ● ● ●
Qlik	● ● ● ●
Tableau	● ● ● ● ●

## SOFT SKILLS

Project management  
Excellent verbal and written communication skills  
Work well under pressure  
Highly organized  
Effective time manager  
Detail oriented  
Basic working proficiency in Spanish  
Culturally diverse (visited 35+ countries around world)

## EDUCATION

### UNIVERSITY OF GEORGIA

2021 - Present | Doctor of Philosophy in Computer Science

### KENNESAW STATE UNIVERSITY

2020 | Certificate in Computer Science Foundations

### LOUISIANA STATE UNIVERSITY

2014 - 2018 | Bachelor's of Petroleum Engineering

## EXPERIENCE

### Ricoh

2023 - Present

Innovation and Operational Workflow Intern

- Currently leading a project that analyzes the entire sales process, applying statistical models (GLM, OLS) and machine learning (k-means, hierarchical clustering, DBSCAN) in R and Python to uncover insights and enhance efficiency by up to 40%
- Proficiently clean, wrangle, and prepare data in Snowflake and across various Oracle systems using SQL and ETL tools like Informatica to ensure high-quality inputs for analysis
- Utilize findings to generate actionable recommendations, while also creating real-time dashboards using Power BI and Qlik for data storytelling

### University of Georgia

2020 - Present

Graduate Research Assistant

- Collaborating with the computer science department to start up an Internet of Things lab (IOT Lab) at UGA. Currently working on an IoT detection project (Project 1)
- Working with UGA's Network Intelligence & Security Lab (NIS Lab). Currently working on a universal smart web crawler project (Project 2)
- Helping the business school to start a crypto currency analytics lab at UGA. Currently working on a Bitcoin wallet address classification project (Project 3)

### Partlyline

2020 - 2021

Software Engineer

- Worked on a project to create a database in AWS that stored millions of FEC (Federal Election Commission) records. Wrote python code in AWS Lambda that retrieved the information from the FEC website, cleaned it, processed it, and imported it into the database.
- Created an API to allow the Partlyline platform to efficiently take what information it needed from the database to provide added value to platform users
- Created new platform functionalities using ASP Classic
- Fixed bugs reported by customers
- Managed and cleaned Partlyline SQL databases