JACKSON ASTRAIKIS

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EDUCATION

University of North Carolina at Greensboro (UNCG) **Greensboro, NC**
Bachelor of Science, Computer Science December 2024
- GPA: 3.64
- Awards: Chancellor's List (5 semesters), Dean's List (1 semesters)
- Relevant Coursework: Software Engineering, Systems Programming, Web Development, Artificial Intelligence, Principles of Database Systems

WORK EXPERIENCE

IBM **Durham, NC**
Backend Software Developer Intern May 2023 - August 2023
- Rebuilt a Java Swing tool used to identify the coverage of test case files for a hardware manufacturing system processing over 200,000 orders per quarter.
- Reduced the tools average processing time from 2 and a half minutes to under 10 seconds.
- Created interactive coverage reports allowing for advanced analysis and filtering.

Backend Software Developer Intern May 2022 - August 2022
- Integrated tracing libraries into a collection of Go microservices improving observability and identifying weak spots.
- Collaborated with technical and nontechnical staff to build dashboards providing access to real-time metrics for production software.
- Wrote documentation aiding fellow developers with the continued integration of tracing libraries.

PROJECTS

Computer Generated Image Detector **Group Project**
- Collaborated with two classmates to make a web app that identifies computer generated images using machine learning algorithms and Benford's law.
- Wrote detailed reports explaining our research into and use of Benford's law, data standardization, and machine algorithms like random forest and supervised learning.
- Designed and developed a frontend web app handling uploading and analyzing images.

Review Data Visualization Web App **Freelance Project**
- Developed a web app using Express and React that allows the site owner to generate and publish interactive bubble graphs comparing price and quality of restaurants using data aggregated from popular review sites.
- Built an admin page to manage graphs and easily modify individual data points.

Harmful Ingredient Barcode Scanner **Independent Hackathon Project**
- Developed a web app using React to scan food barcodes, flag potentially harmful ingredients, and provide links to helpful resources.
- Won 1st place for the Health Category at HackDuke 2021.

TECHNICAL SKILLS

Programming Languages: Javascript, Go, C, Python, Java, HTML, CSS, SQL
Technologies: Express, React, Git, Github, PostgreSQL, MySQL, Postman
Skills: Agile Development, API Design, Frontend Development, Backend Development, Database Design