

Shaima Hussaini

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EDUCATION

University at Albany

Aug. 2021 – May 2024

B.S. in Computer Science, Minor in Statistics

Albany, NY

GPA: 3.97

Activities: Society of Women Engineers (Secretary), IEEE, Women in Cybersecurity

Coursework: Artificial Intelligence, Database Systems, Data Mining, Software Engineering, Design and Analysis of Algorithms, Operating Systems, Computer Security

EXPERIENCE

Software Engineering Intern

May 2023 – Aug. 2023

Toyota Connected North America, Inc.

- Worked extensively with Amazon Web Services to develop and deploy serverless AWS Lambda applications and DynamoDB tables using Terraform.
- Implemented frequent bug fixes and code updates in Java.
- Built over 300 Datadog monitors for all applications, enabling real-time performance analysis and proactive issue identification before affecting user-experience.
- Developed over 100 comprehensive end-to-end pipeline and individual application automation tests. Significantly enhanced test coverage and improved efficiency of team by reducing need for manual efforts.
- Presented deliverables and key results to product teams and executives.

Fellow in RNA Institute's Bioinformatics Program

Jun. 2022 – Aug. 2022

Research Foundation of SUNY – RNA Institute

- Conducted in-depth analysis of RNA sequences and chemical reactivity data and developed a pipeline to accurately model RNA secondary structures.
- Utilized R to perform gene expression analysis on extensive biological datasets and gene sequences.
- Showcased research findings at the RNA Institute's Summer Symposium and won Best Presentation Award.

Undergraduate Research Assistant

May 2022 – Aug. 2022

Research Foundation of SUNY – RNA Institute

- Developed a Java program that compares data generated from mass spectrometry experiments to the lab's database with various parameters set by the user from a GUI

TECHNICAL SKILLS

Proficient languages: Java, Python, C

Familiar languages: HTML, CSS, JavaScript, R, Bash

Tools: Git, Amazon Web Services, Terraform, Postman, Datadog, Jira, IntelliJ, Visual Studio Code, Eclipse, PyCharm, Jupyter Notebook, RStudio

Libraries: NumPy, Scikit-Learn, Pandas, Apache POI

PROJECTS

Book Recommendations | *Python, NumPy, Scikit-Learn, Pandas*

Aug. 2022 – Present

- Built a search engine and system that makes book recommendations to the user based on their liked books.

Web Portfolio | *HTML, CSS, JavaScript* | shaima-h.github.io

Sep. 2022 – Present

- My responsive, personal website to showcase myself and my projects.

Programming Language Interpreter | *Java*

Sep. 2022 – Dec. 2022

- Developed a lexer that generates tokens using a state machine, a parser that processes the tokens and returns an abstract syntax tree, and an interpreter that executes functions.