

SKILLS

Programming Languages: Python (Intermediate), Java (Intermediate), R, C, C++, HTML, CSS, JavaScript (Beginner), Assembly (Beginner)

Software & Tools: Visual Studio, IntelliJ, PyCharm, MySQL, SQL, POSTMAN, NetBeans, Spring Boot, Visual Studio Code, GitHub, Jupyter Notebook, Anaconda, RStudio, LaTeX, Tableau, Microsoft Word, Excel, PowerPoint

Certifications: Microsoft Word Expert, PowerPoint, Excel, CompTIA IT Fundamentals, PCEP – Certified Entry-level Python Programmer, Certified Nursing Assistant

PROJECTS

CRUD MVC App (Using both Backend and Frontend technologies): Developed using JPA, MySQL, Thymeleaf

GitHub: <https://github.com/hamza890890/FINALCRUDAPP>

Snake Game: Java with audio, currently building Python version.

GitHub: <https://github.com/hamza890890/snakegame>

Data Science Project (Using Data Mining, Munging, Wrangling, Analytics, Representation, and Visual-ization): Analyzing the effect of COVID-19 on trading trends (2014-2021) using Pandas and Numpy Python libraries.

GitHub: Not available currently (Currently working on it this semester)

Social Media Project (Using both Backend and Frontend technologies): Full-stack project with front-end and backend.

GitHub: <https://github.com/AresWacky/GridSocial>

WORK EXPERIENCE

University of North Carolina at Greensboro, NC

Computer Science Tutor *Present*

Provided personalized tutoring in problem-solving and complex computer science concepts, helped students in code reviews and testing, and improving students' confidence and comprehension. Created a collaborative learning environment, encouraging critical thinking and helping students tackle challenges with confidence.

Continuously learned and applied new programming languages, tools, and methodologies to stay current with industry trends.

EDUCATION

University of North Carolina at Greensboro, NC

B.Sc. in Computer Science

Concentration: Data Science and Big Data

GPA (As of Fall 2024): 3.81

Minors: Information Technology and Business Dean's List:

Fall 2023 — Accelerated Master's Program Accepted (Will Pursue a Master's Degree upon completion of Bachelor's)

Expected: May 2026

Volunteer Worker

Sept 2018 - March 2020

High Point Public Library, NC

Contributed to a growth in communication skills, handling of constructive criticism, and a more productive work ethic.

ADDITIONAL INFORMATION

- Passionate about continuous learning in web development, data science, and software engineering.
- Experience with GitHub, GUI development, assembly language.
- Actively learning C, C++, HTML, and refining web development skills.
- Strong written, interpersonal, communication skills, and team collaborator (not afraid to admit if I do not understand something and not afraid to ask for guidance if I am lost).
- Experience with Java libraries for graphics and sound.
- Proficient with GitHub (Clone, Fork, Push/Pull, Branches, Public/Private Repositories, etc.).
- Full Stack developer skillset.
- Eager to solve complex business problems

- Programmed in a partnered environment.
- Graphical Displays and Numerical Summaries.
- Statistical Analysis.
- Programming for Data Science.
- Data Mining, Munging, Wrangling.
- Statistics, Analytics, Representation, Visualization.
- JAVA Programming: Syntax, OOP Techniques.
- Discrete Structures, Logic, and Computability.
- Demonstrate knowledge of principles and terminology of the field of Software Engineering.
- Embraces diverse people, thinking, and styles.
- Reviewed test plans, organized troubleshooting sessions, and advocated for quality improvements by clarifying requirements and defending testing strategies with leadership.
- Reported feedback on test performance and issues to internal and external partners responsible for executing test plans.
- Collaborated with team members to determine the scope of testing and develop quality plans for specific feature areas.
- Experience with cloud technology and software development lifecycles.
- Experience with web apps, APIs, messaging, and databases.

COURSEWORK

Fall 2024:

CSC 339-01: Concepts of Programming Languages CSC 350-

01: Foundations of Computer Science II CSC 405-01: Data Science

ISM 116-01: Web Design and Development

Summer 2024:

CSC 340-01: Software Engineering

STA 271-01: Fundamental Concepts of Statistics

Spring 2024:

CSC 330-01: Advanced Data Structures CSC

362-03: System Programming

Fall 2023:

CSC 250-02: Foundations of Computer Science I

CSC 261-01: Computer Org/Assembly Language

Summer 2023:

PHI 222-11: Ethics in the Computer Age

Spring 2023:

CSC 230-02: Elementary Data Structures/Algorithms

Fall 2022:

CSC 130-01: Introduction to Computer Science