

# Georgi Zahariev

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## EDUCATION

### George Mason University

B. S. Computer Science

Fairfax, VA, USA

Expected: May 2026

#### GPA: 4.0

- **NCAA D1** Men's Volleyball (captain), Student-Athlete Advisory Committee (member)
- **Honors:** Dean's List (5x), Provost Scholar (2x), OrthoVirginia Student Achiever

#### Relevant coursework

- Object Oriented Programming (Java), Low-Level Programming (C), Data Structures (Java), Data Mining (Python), Computer Systems and Programming (C, Unix), Software Engineering (Python, LLMs, SQL, NLP), Database Concepts (SQL), Operating Systems (C, Unix)

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## SKILLS AND CERTIFICATIONS

- **Languages:** Java, Python, C, R, HTML, CSS, JavaScript, VBA
- **Tech & Frameworks:** Git, APIs, Gradio, Flask, Django, LLMs, GenAI
- **Environments:** VS Code, IntelliJ, Eclipse, Unix, Conda
- **Methodologies:** Agile, Scrum, CI/CD, SDLC
- **Databases:** MySQL, NoSQL, SQLite, MongoDB, MariaDB, Access
- **Soft Skills:** Leadership, Collaboration, Problem-Solving, Strategic Thinking
- **Certifications:** IBM AI Developer Specialization (IBM, Coursera, June 2024)

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## EXPERIENCE

### Information Technology Intern

May 2024 – July 2024

Sentara Healthcare, VA, USA

- Optimized workflows by analyzing productivity metrics, eliminating delays, and boosting efficiency.
- Developed automation tools, including a VBA-powered reporting system that improved accuracy and cut manual effort by 90%.
- Enhanced decision-making by delivering data-driven insights and interactive dashboards for 10+ managers.
- Gained cross-functional experience in Analytics, AI, IT, and Project/Portfolio Management, supporting tools like Wave (McKinsey's PM platform).

### CS Undergraduate Teaching Assistant

August 2023 – Current

George Mason University, VA, USA

- UTA for Data Structures (since Aug 2024), previously assisted in Java and Python courses.
- Guided 900+ students through coding challenges, project feedback, and lab grading, while mentoring on problem-solving strategies and best coding practices.

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## PROJECTS

- **LlamaSearch - AI-Powered Web Content Search** January 2025 – Current  
*Lead Software Engineer* | Python, Gradio, SQLite, Pydantic, LLAMA, APIs, Git, Conda
  - Built an AI assistant that extracts, analyzes, and answers questions about web content.
  - Integrated text-to-speech, chat history downloads, source reliability ratings, and user feedback.
- **E-commerce Review Sentiment Analysis** September 2024  
*Data Scientist* | Python, Scikit-learn, Pandas, NLP
  - Developed a predictive model using Logistic Regression and TF-IDF to classify customer reviews.
  - Achieved 90% accuracy, incorporating NLP techniques like n-grams for improved sentiment detection.
- **Graph-Based Shortest Path Visualizer** April 2024  
*Software Engineer* | Java, Graphs, Bellman-Ford Algorithm, GUI
  - Designed an interactive graph-based game that dynamically visualizes the Bellman-Ford algorithm in action.
  - Enabled user-generated graphs, allowing custom path alterations and live algorithm execution.