

GABRIELA GEORGIEVA

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EDUCATION

Cornell Tech (Cornell University), New York, NY May 2024
Master of Engineering in Computer Science | Merit Scholarship

Relevant Coursework: Applied Machine Learning, Optimization Methods, Machine Learning Engineering

American University in Bulgaria, Blagoevgrad, Bulgaria May 2023
Bachelor of Arts in Computer Science, Minor in Mathematics | Outstanding Achievements in CS Award | GPA: 3.94/4.00

Relevant Coursework: Operating Systems, Computer Networks, Data Structures & Algorithms, Database Systems, Computer Architecture, Software Engineering, Advanced Linear Algebra, Mathematical Statistics, Numerical Analysis

TECHNICAL SKILLS

Coding Language: Java, Python, C++, CSS, HTML, JavaScript, SQL
Frameworks & Tools: Spring, Angular, Jenkins, Docker, Git

EXPERIENCE

VMware, Member of Technical Staff, Level 2, Sofia, Bulgaria Jan 2022 - Aug 2023
DevOps Team

- Contributed to the creation of robust CI/CD systems for Aria Automation services using Java, Groovy, Bash, Jenkins & VMware's CodeStream, optimizing development workflows and deployment processes.
- Designed and developed custom productivity-enhancing tools benefiting over 1000 members of the Sofia R&D teams such as scripts that efficiently compare virtual machine file systems, streamlining file integrity checks and optimizing resource allocation.
- Automated the security scanning of libraries across 32 services, ensuring software integrity and reducing vulnerability risks.

Automation Testing Team

- Automated testing for GCP and AWS integration in Aria Automation, expanding coverage and efficiency.
- Led the initiative of migrating from Selenium's promise manager to async/await.

VMware, Internship, Sofia, Bulgaria July 2021- Jan 2022

- Designed and implemented a Java tool that uses Aho-Corasick algorithm for efficient search of inclusive terminology and credentials/secrets within code bases.
- Successfully integrated the tool into the code review pipeline of 32 services, enhancing the company's awareness of and compliance with inclusive language and data security best practices.
- Developed a full-stack web application using Spring, Angular, Docker and Jenkins

PROJECTS

Searchable Encryption Library, (Java) Spring 2023
Provided encryption/decryption capabilities and efficient search through encrypted data.

- Implemented AES algorithm for encrypting/decrypting data.
- Designed an inverted index system, incorporating the Okapi BM25 algorithm for rapid and precise information retrieval in encrypted datasets.
- Developed a user-friendly feature enabling fuzzy search operations via ngrams, enhancing search flexibility.

Corporate Website, (WordPress, JavaScript) Summer 2021
[gamiood.bg](#) serves as a pivotal online platform for showcasing property listings and engaging potential clients.

- Leveraged WordPress for efficient content management and JavaScript to enhance user interactivity and dynamic features, such as interactive property maps and contact forms.
- Improved SEO rankings to increase the company's online visibility and attract more customers; Increased sales by 30%.

LEADERSHIP/ EXTRACURRICULAR ACTIVITIES

Third Place, HackAUBG 4.0 hackathon | [Article](#) | [GitHub](#) April 2022

- Developed a notification based mobile application that keeps track of users' spendings and recommends improvements.

The Hub, AUBG, Event Logistic Coordinator, Blagoevgrad, Bulgaria Sep 2020 - Jan 2022

- Organized events such as programming hackathons (HackAUBG 3.0) and CS workshops (HubConf).
- Facilitated the communication between participants, organizers, and mentors.

CERTIFICATION

[VMware Talent Boost Academy](#) June 2021