

# GEORGI ZAHARIEV

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## EDUCATION

### George Mason University, VA, USA

*Bachelor of Science in Computer Science (B.Sc.)*

**Expected: May 2026**

*GPA: 4.0/4.0*

**Relevant Coursework:** Data Mining, Data Structures, Database Concepts, Analysis of Algorithms, Operating Systems, Mobile Application Development, Secure Systems and Programming

### Profiled Secondary School of Mathematics and Science, Bulgaria

*Highschool degree in Mathematics and Computer Science*

**September 2014 – May 2022**

*GPA: 6.0/6.0*

## WORK EXPERIENCE

### Undergraduate Teaching Assistant

**August 2023 - Present**

*Volgenau School of Engineering, George Mason University, VA, USA*

- UTA for Data Structures, previously assisted in Object Oriented Programming and other Java and Python courses
- Guided 900+ students through coding challenges, problem-solving strategies, and best coding practices

### R&D Software Engineer Intern

**June 2025 - Present**

*eDynamix, Bulgaria*

- Contributed to R&D projects focused on reducing third-party service costs through in-house AI solutions
- Explored and experimented vehicle image background removal using computer vision techniques
- Implemented noise cancellation for garage videos, leading to significant cost savings

### Data Analyst Intern

**May 2024 - June 2024**

*Sentara Healthcare, VA, USA*

- Optimized workflows by analyzing productivity metrics, eliminating delays, and boosting efficiency
- Gained cross-functional experience in Analytics, AI, and IT in addition to supporting a PM platform called Wave
- Enhanced decision-making by delivering data-driven insights and interactive dashboards for 10+ managers
- Developed automation tools that improved reporting accuracy and cut manual effort by 90%

## PERSONAL PROJECTS

### Online Restaurant Management System

**June 2024**

*Tech stack: Go, React, Docker, GitHub, PostgreSQL, Gorm ORM, K8s*

- Built a self-contained Go + React ordering platform that lets restaurants bypass 3rd party order/delivery services
- Integrated an external IDP to enforce secure, role-based access across Customer, Kitchen, Courier, and Owner
- Packaged the stack in Docker with migrations and Kubernetes allowing environment setup to a single command

## SKILLS

**Programming Languages:** Java, Python, C, Go, JavaScript, Bash

**Frameworks & Libraries:** React, NumPy, Pandas, scikit-learn, pytest, Vue.js, JUnit, Hibernate, Spring

**DevOps / Tools:** Docker, Docker Compose, Kubernetes, Git/GitHub/GitLab, CI/CD, Bruno, Grafana

**AI / GenAI:** OpenAI API, prompt-engineering basics, local LLMs, RAG, LangChain

**Databases:** PostgreSQL, MySQL, Oracle, MongoDB

**Languages:** English (fluent), Bulgarian (native)

**Soft Skills:** Leadership (NCAA Captain – mentored teammates), Communication (Student-Athlete Advisory Committee rep, UTA), Problem-Solving (automated Sentara reports – 90% time saved), Ownership (led cost-reduction proof of concept at eDynamix)

## ACHIEVEMENTS & AWARDS

Achievements in Mathematics competitions

Dean's List (x6), Provost Scholar (x2), OrthoVirginia Student Achiever, All-State Academic Award

**NCAA D1 Men's Volleyball Captain**, All-Conference and All-Academic team