

# Nicholas A. Webster

English (Native) || Russian (A2)

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## EDUCATION

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### University of Georgia, Athens, GA

Master of Science (M.S.) in Cybersecurity & Privacy

- Expected May 2028
- Relevant Coursework: Cybersecurity, Privacy-Preserving Data Analysis, Computer Networks.

### Georgia Southern University, Statesboro, GA

Bachelor of Science (B.S.) in Computer Science

- August 2022 – May 2026
- President's List (Spring 2026)
- Dean's List (Fall 2024)

## SKILLS

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Languages:

- Python, Java, C, C++, HTML/CSS, SQL

Cybersecurity:

- Web Security, Linux Security, Access Control, Threat Detection, Security Automation.

Tools & Technologies:

- Linux, Git/GitHub, MySQL, OCR, Agentic AI

Machine Learning:

- PyTorch, NumPy, Pandas, Classification, U-Net

Professional/Leadership:

- Leadership, Technical Communication, Research Presentation, Customer Service, Team Collaboration, Documentation

## PROJECTS

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***VIGILO – Security Utility Bot*** (Python, OCR, Machine Learning)

- Developed a Python-based security bot for automated scam, phishing, and malicious content detection using OCR and Machine Learning.
- Trained and evaluated a classification pipeline on 922k+ samples, achieving 0.94 ROC-AUC and 0.93 average precision.
- Engineered automated quarantine, role-based enforcement, audit logging, appeals, and configurable detection thresholds.
- Integrated OCR and external APIs to analyse image-based content in real time.

***DeepMedSeg – Medical Image Segmentation Tool*** (Python, SimpleITK, PyQt6, U-Net)

- 2026 CEC Research Symposium: 1st Place
- Collaborated with a team to develop an AI-powered system to analyze 3D medical scans and identify anatomical structures.
- Researched U-Net CNN architecture for accurate segmentation of biomedical images.
- Integrated medical imaging libraries to process 3D scan data and visualize volumetric images.
- Developed a user-friendly interface pipeline for loading scans, segmentation, and result visualization.

***Restaurant Management System – POS and Employee Dashboard*** (Java, JavaFX, MySQL)

- Implemented front-end and middle-tier functionalities for a POS system for core employee operations.
- Collaborated with team members to ensure proper integration of backend functionalities.
- Applied Object-Oriented Programming and inheritance to create reusable components and improve code maintainability.