

Arman Gevorgyan

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CURRENT ADDRESS

Worcester, Massachusetts

PERMANENT ADDRESS

New York City, New York

OBJECTIVE: Secure an internship where I will use my Computer and Data Science background, my interpersonal skills, and my dedication to good work to further personal and company growth.

MY WEBSITE: <https://armanwebsite.onrender.com>

EDUCATION:

Worcester Polytechnic Institute - Worcester, Massachusetts

Expected Graduation: May 2026

Bachelor of Computer Science (Concentration in Cyber Security) / Minor in Data Science

GPA: 3.63/4.0

Honors: Deans List, Presidential Scholarship (2022 – Present)

RELEVANT COURSES: Algorithms, Operating Systems, Database Systems, Human-Computer Interaction, Object-Oriented Design, Artificial Intelligence, Systems Programming

TECHNICAL/NON-TECHNICAL SKILLS:

- C, C++, SQL, Java, JavaScript, HTML, CSS, Python
- AWS, Azure, Oracle, Wireshark, Git, Linux, NodeJS, React, Render, Docker, Flask, Adobe Premiere, CAD
- Adaptive, passionate, and sociable

PROJECTS/RESEARCH:

Multithreaded Producer-Consumer System, WPI

C++

- Built a multithreaded producer-consumer system in C/C++ using pthread and semaphores for synchronized buffer access.
- Added support for adjustable buffer sizes and up to 10 consumer threads, improving resource use and reducing runtime.
- Integrated a barrier() routine for synchronized thread completion, ensuring consistent performance in testing.

Palindromes, Inversions, and Gray Codes, WPI

Java

- Developed a recursive Java program to check if an input string is a palindrome, with functionality to ignore case and punctuation.
- Created an algorithm to count "inversions" in arrays, implementing both an $O(n^2)$ solution and a more efficient $O(n \log(n))$ solution.

Ubuntu Shell, WPI

C++

- Designed a robust Ubuntu shell in C++ featuring advanced process management with fork() and execvp(), incorporating error handling to enhance system reliability.
- Developed and optimized over five built-in commands (cd, exit, etc.) to improve functionality and streamline task execution.
- Integrated system performance monitoring, including CPU usage, memory consumption, and page fault tracking, for enhanced debugging and analysis.

EXPERIENCE:

The Black Car Fund, Queens, NY

Claims and IT Assistant

Summer 2021, 2022, 2023, 2024

- Helped defend the company's computer network by installing software and other forms of security
- Maintained and looked over the functioning of the organization's computer network
- Managed and prioritized important phone calls and correspondence
- Processed new insurance claims and maintained a comprehensive database of cases using SQL, AWS, and Microsoft Azure
- Edited spreadsheets, organized files, and liaised with law firms and medical providers

Exam Proctoring Center, WPI

Proctor

Oct 2022 – Present

- Managed a large database of past and future exam information.
- Coordinated with numerous professors to organize exam schedules and procedures.
- Edited spreadsheets and managed important files related to exams and academic organization.

LEADERSHIP/ORGANIZATIONS:

WPI Cyber Security Club, WPI

Member

Aug 2023 - Present

- Participated in local and national CTF competitions.
- Practiced ethical hacking, network security, cryptography, and incident response.

Computer Science Peer Mentor, WPI

Mentor

Aug 2024 - Present

- Mentored new students majoring in Computer Science with regards to their courses, any programming assistance, and ways to improve their professional growth.

Theta Chi Epsilon Member, WPI

Nov 2022 – Present

Assistant Risk Manager (Jan 2023 – Jan 2024)

- Assessed and identified risks that could harm the safety, security, or financial success of the Theta Chi fraternity.