Arik Rahman

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Education

Bachelor of Science	**Texas A&M University**, Electronic Systems Engineering Technology GPA: 3.05 • Minor in Cybersecurity, seeking Service for Scholarship (SFS). • CLDP cohort member (Senior Military College DoD Cyber Leader Development Program). • VICEROY recipient (cybersecurity program directed by John Romero).	Aug 2021 – Dec 2025

Experience

TEES Cybersecurity Center, Research Assistant — College Station, TX — June 2022 – May 2024 — 2 years
- Orchestrated automated dynamic analysis in Xen virtualized operating systems.
- Developed in-house scientific gateway with public-facing API hosted at the Texas A&M Cyber Range.
- Collaborated with a team of 4 on GitHub using a Scrum workflow.
- Processed thousands of malware samples for dynamic analysis.

Association of Former Students, Aggie Network Ambassador — College Station, TX — Aug 2022 – Jan 2023 — 6 months
- Developed soft skills such as rapport-building and effective communication.
- Connected with hundreds of former students.

Texas A&M Dept. of Computer Science & Engineering, Teaching Assistant — College Station, TX — Sept 2023 – Dec 2023 — 4 months
- Responsible for instruction of C++ to hundreds of computer science students.
- Checked students' work and planned effective instruction.

Projects

Title-Close — June 2023 – Aug 2023
.NET, MySQL, Flutter, Dart
- Created a responsive website for a title closing company.
- Created a corresponding app via WebView and published to the App Store.
- Secured connection between gateway and the database.

Aggies Phantom Invent — Dec 2023
ITN Upgrade (CAD)
- Addressed high power draw from an integrated tactical network (ITN) reducing armored corps battery life.
- Worked alongside military professionals to deliver a winning product.

AI Integrated mmWave Weapon Scanner — Jan 2025 – present
Matlab, TI mmWave Studio
- Built a holistic security apparatus consisting of a gantry system and TI mmWave sensors.
- Built a controls system and an ML-assisted heatmap generation framework.

Activities & Societies

CLDP — Sept 2023 - Fall 2024
Cyber Leader Development Program
- Selected for a limited cohort of 20 to pursue cybersecurity initiatives (for example DEFCON, Security+).
- Pursued DoD-8570 certifications and coursework to prepare for federal placement.

DEEP   Jan 2023 – present

Discovery, Exploration, and Enjoyment of Physics
- Demonstrated spring oscillation without springs; learned CAD to design the physical demonstration.
- Replicated signal manipulation on NFC and sub-GHz spectrums and jammed Bluetooth communications.

Technical Skills

- **Coursework:** Data Structures and Algorithms, Electromagnetics in High Frequency Systems, Advanced Network Systems and Security, Control Systems, IoT.
- **Certifications:** CompTIA Security+ SY0-701.
- **Languages:** Matlab, Java, Python, C/C++, LaTeX, Svelte, Dart, Rust; English (SAT 760/800).
- **Dev Tools:** Notepad (IDE), Linux (Arch), Nextcloud homelab.