

Arik Rahman

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Education

- Aug 2021 – Dec 2025 **Texas A&M University**, Bachelor's of Science in College of Engineering - Electronic Systems Engineering Technology
- Minor in Cybersecurity, seeking Service for Scholarship (SFS).
 - CLDP cohort member (Senior Military College DoD Cyber Leader Development Program).
 - VICEROY recipient (National cybersecurity program).

Experience

- Jan 2025 – Dec 2025 **Software Engineer**, AI Integrated mmWave Weapon Scanner
Matlab, TI mmWave Studio
- Built a holistic security apparatus consisting of a gantry system and proprietary TI mmWave sensors.
 - Synchronized a controls system with an ML-assisted heatmap generation framework.
- June 2024 – Aug 2024 **Software Engineer**, Title-Close
.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.
- June 2022 – May 2024 **Threat Analyst**, TEES Cybersecurity Center – College Station, TX
- Orchestrated automated dynamic analysis in Xen Orchestrated operating systems.
 - Developed in-house scientific gateway with public-facing API hosted at the Texas A&M Cyber Range.
 - Collaborated with a small team on GitHub using a Scrum workflow.
 - Processed thousands of malware samples for dynamic analysis.
- Sept 2023 – Dec 2023 **Teaching Assistant**, Texas A&M Dept. of Computer Science & Engineering – College Station, TX
- Responsible for instruction of C++ to hundreds of computer science students.
 - Checked students' work and planned effective instruction.
- Dec 2023 – Jan 2024 **Product Design Lead**, Phantom Invent
United States Armored Corps ITN Upgrade
- Addressed high power draw from an integrated tactical network (ITN) reducing armored corps battery life.
 - Worked alongside military professionals to deliver a winning product.
- Aug 2022 – Jan 2023 **Aggie Network Ambassador**, Association of Former Students – College Station, TX
- Developed soft skills such as rapport-building and effective communication.
 - Connected with hundreds of former students.

Projects

- 2025-01 - Present **Nixwig (Bitwig Studio for NixOS)**
- Maintainer of [Nixwig](#), a flake-based configuration enabling Bitwig 6 beta compatibility on NixOS.
 - Patched proprietary dependencies and configured Nix derivations to ensure stable audio engine performance.
 - Resolved dynamic linking and windowing GUI issues for VST plugins in a pure Nix environment with flakes

- 2025-01 - Present **Dorion NixOS Maintainer**

- NixOS upstream package maintainer for [Dorion](<https://github.com/SpikeHD/Dorion>)
- Maintainer for the popular Rust based Discord refactor

- 2024-08 - Present **Godot Nim Maintainer**

- Community Maintainer for [gdext-nim](#), the Nim GDExtension library for Godot 4.
- Maintained the community forums and contributed landing page documentation updates

Activities & Societies

- Sept 2023 - Fall 2024 **CLDP**

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.

- Jan 2023 – Aug 2025 **DEEP**

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:** AWS Cloud-Practitioner CLF-C02, [CompTIA Security+ SY0-701](#)
- **Languages:** Matlab, Java/Clojure, Python, SQL, Dart, Nix, Lisp; English (SAT 760/800).
- **Dev Tools:** Emacs, Linux (NixOS), Git, Zsh