

# Arik Rahman

☎ (832) 709-3931   ✉ arik@tamu.edu   💻 arikrahman   🌐 arikrahman

---

## 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