Raazan Doski

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EDUCATION

Middle Tennessee State University   **Aug. 2020 - Present**

M.S., Computer Science   *Murfreesboro, TN*

- **GPA: 3.5/4.0;**

  Master's Thesis: The Analysis on Kernel Level Anti-Cheat – Risks, Drawbacks, and Solutions

B.S., Computer Engineering   *Murfreesboro, TN*

- **GPA: 3.6/4.0;** Cum Laude
- Awarded Hope and Aspire Scholarships & Pell Award
- Emphasis in Software Engineering, Dean's List (5 semesters)

SKILLS

Languages: Python, C++, C, Go, JavaScript, TypeScript, SQL (PostgreSQL, MSSQL), HTML/CSS, x86 NASM, bash

Frameworks: React, Next.js, Flask, TailwindCSS, Node, NumPy, PIL, Pandas, discordgo

Tools: AWS (Lambda, EC2, S3), Linux, Git/GitHub, Arduino IDE, Microsoft Power BI, SOLIDWORKS

Core: REST API implementation, Full-stack web development, Automation scripting, Embedded systems, Microcontroller programming, Data analysis, Network configuration, Computer Aided Design

EXPERIENCE

Middle Tennessee State University   **Aug. 2025 – Present**

Software / Firmware Graduate Assistant   *Murfreesboro, TN*

- Mentoring 30+ undergraduate students in programming, debugging **C/C++** firmware, and interfacing with **microcontroller** peripherals
- Leading 2 weekly lab sessions covering software development workflows from compilation to hardware deployment, providing **real-time debugging** support and troubleshooting guidance
- Providing **one-on-one technical guidance** on student projects, helping debug code logic errors, hardware wiring issues, and register-level programming challenges
- Collaborating with faculty to evaluate student code submissions, offering detailed feedback on **code efficiency**, **memory management**, and peripheral configuration

RoviSys Building Technologies   **Mar. 2025 – Aug. 2025**

Systems Engineer   *Smyrna, TN*

- Performed system validation and loop checks on industrial control panels across 3 manufacturing facilities including Hankook Tire, AESC, and BlueOval SK plants
- Installed and configured Cisco network infrastructure including switches and server racks for plant-wide control systems
- Developed Python automation scripts to parse and organize 200+ PLC tag configurations into structured databases, reducing manual data entry time

Ultium Cells   **May 2024 – Aug. 2024**

Engineering Intern   *Spring Hill, TN*

- Developed PLC ladder logic for Siemens S7 controllers in test environment, gaining hands-on experience with industrial automation and safety system design
- Built Arduino-based switch tester to validate safety enabling device functionality, ensuring operator protection systems met plant standards

PROJECTS

Fayzit

- Building a Discord bot in Golang using discordgo library to integrate FACEIT API, providing real-time competitive gaming statistics including player rank trends, match history, and live game status
- Implementing slash commands and data visualization features for deployment across 80+ users in gaming communities

Aeris

- Built a production Flask REST API serving real-time weather data from OpenWeatherMap for 300+ global cities
- Designed efficient query handling and JSON response formatting for city, state, and country-based searches

CERTIFICATIONS

Google Data Analytics Professional Certificate, *Coursera*   **December 2024**

SOLIDWORKS CAD Design Asssociate (CSWA) Certification, *SOLIDWORKS*   **December 2024**