

Cole Determan

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Education

Virginia Tech University

Alexandria, VA

Masters of Engineering in Computer Science & Applications, Focus in Artificial Intelligence

May 2027

James Madison University

Harrisonburg, VA

Bachelor of Science in Computer Science, Minor in Data Analytics, GPA: 3.55/4.0 – Cum Laude

May 2026

- Dean's List – Spring 2026, Spring 2025, Fall 2024, Spring 2023, Fall 2022

Experience

KBR

Chantilly, VA

Solution Architect Intern

May 2026 - Present

- Built an onboarding timeline to improve understanding of solution architecture workflows.
- Researching emerging AI applications for enterprise and operational use cases.
- Supporting AI-driven digital transformation and systems engineering initiatives.
- Presenting research findings, technical achievements, and project updates to executives during midterm and final reviews.
- Completed training in MBSE concepts, methodologies, and systems thinking.

ManTech

Herndon, VA

Technical Support Intern

July 2025 - May 2026

- Provided IT support using ServiceNow, Okta Admin, and Asana, assisting 50+ users with account provisioning, access management, and troubleshooting hardware/software issues, achieving above 90% satisfaction rating.
- Communicated technical troubleshooting steps clearly to diverse non-technical users.

Noblis

Reston, VA

Advanced Technology Engineer Intern (Software Engineer Intern)

Summer 2024

- Integrated REST APIs into AI/Machine Learning applications leveraging Redis, Kafka, and related technologies to improve system data flow and reliability, contributing to a 1000% increase in detections.
- Participated in Agile sprint planning, stand-ups, and retrospectives supporting backend development.
- Developed unit tests, reviewed code, and debugged backend application issues.

Determan Tech Help

Falls Church, VA

Owner / Support Specialist

Summer 2023 to Present

- Founded and scaled a tech support business assisting 100+ clients with custom PC builds, device setup, and hardware/software troubleshooting, maintaining a 5-star rating from reviews.
- Developed a scheduling and review website hosted on a dedicated server using CloudFlare and Node.js.
- Designed client-specific technical solutions, optimizing performance and usability for diverse needs.

Projects

Isopod Server Management

March 2026 to Present

- Developing "Isopod," a Docker-based instance management platform for Minecraft server hosting.
- Integrating mod APIs to streamline server customization and deployment.

Xact Training IOS App

July 2025 to Present

- Developing a fitness tracking iOS app using SwiftUI and MVVM architecture.
- Integrating Firebase Auth, Firestore, and Storage for secure real-time synchronization.

Superman Video Game

June 2022 to Present

- Developed a 3D open-world game in Unreal Engine using Blueprint scripting and Blender.

Skills

Java | Python | C | JavaScript | HTML/CSS | Swift | Git | SQL | Numpy | Agile/Scrum | API integration | Software Design | Docker | Firebase | ServiceNow | Okta