Zachary Wayne Hubenak

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Summary

Computer Science student and Army National Guard Specialist with **SECRET** clearance and experience spanning DoD technology assessment, unmanned aerial systems, and DoD acquisition processes. Seeking to apply technical skills and military discipline to advance defense technology solutions.

Experience

DoD, Office of the Under Secretary of Defense for Research and Engineering *Prototype Assessor Intern*

Camp Atterbury, IN June 2025 - August 2025

- Conducted prototype assessment and engineering support for the Rapid Assessment of Prototype Technology Readiness (Task Force RAPTR) Technology Readiness Exercise (T-REX 25-2)
- Worked with the Joint Exercise Life Cycle (JELC) process to support technology assessment workflows
- Produced comprehensive documentation for industry partners and their emerging technologies

George Mason University - Rapid Prototyping Research Center *Fellow*

Fairfax, VA August 2025 - Present

- Conduct research on data mesh architectures and federated learning applications for defense systems
- Utilize Ollama and other AI/ML frameworks to explore distributed machine learning approaches
- Collaborate with faculty researchers on defense-related projects

Virginia Army National Guard

Human Resources Specialist (SPC/E4)

3777 E Virginia Beach Blvd, Norfolk, VA 23502 October 2021 - Present

- Process and analyze personnel data for a unit of 250+ service members, maintaining 99%+ accuracy
- Implemented workflow improvements that reduced processing time for personnel actions by 25%
- Collaborate with leadership to ensure compliance with military regulations and policies

Dominion Drones LLC

Associate

215 High Street, Portsmouth, VA 23704 August 2020 - December 2024

- Established and maintained repair protocols for UAS/Underwater ROV models, handling 150+ repairs annually
- Coordinated B2B and government agency sales, securing contracts worth over \$200K annually
- Developed technical documentation for drone repair processes, improving repair efficiency

Education

George Mason University

Bachelors of Science in Computer Science

4400 University Dr, Fairfax, VA 22030 Graduating December 2026

Skills: Python, Java, C, HTML & CSS, JavaScript, Linux, Git, AWS, Fusion360, Docker, Nginx, Apache

Projects

HopIn – Event Carpooling Coordination Platform

www.hopin-carpool.com/

- Deployed Apache web server with reverse proxy configuration, SQLite, and Socket.IO
- Actively used by university student organizations to coordinate transportation for campus events
- Designed zero-friction user experience enabling instant ride-sharing without download or signup barriers