Zachary Wayne Hubenak

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Summary

Computer Science student and Army National Guard Specialist with an active SECRET clearance and hands-on experience in defense prototyping, software development, and technology assessment. Seeking to apply technical skills and military discipline to advance defense technology solutions.

Experience

George Mason University - Rapid Prototyping Research Center   *Fairfax, VA*
Fellow   *August 2025 - Present*

- Developer on a defense-focused prototype/MVP supporting distributed data and learning workflows
- Contribute to system architecture, backend implementation, and iterative feature development
- Utilize spaCy, Ollama, and other AI/ML frameworks to explore distributed machine learning approaches

DoW, Office of the Under Secretary of War for Research and Engineering   *Camp Atterbury, IN*
Prototype Assessment Intern   *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

Virginia Army National Guard   *3777 E Virginia Beach Blvd, Norfolk, VA 23502*
Human Resources Specialist   *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   *215 High Street, Portsmouth, VA 23704*
Associate   *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   *4400 University Dr, Fairfax, VA 22030*
Bachelors of Science in Computer Science   *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