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| **EDUCATION** |

**United States Military Academy** **West Point, NY**

*Bachelor of Science in Computer Science (With Honors Distinction) June 2024*

* **Cumulative GPA**: 3.65/4.00
* **Class Rank:** 180/1078
* Upsilon Pi Epsilon Honors Society Member
* Superintendent's Award for Achievement: top 15% of class based on military, physical, and academic GPAs.

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| **RESEARCH INTERESTS** |

* I am passionate about conducting research that combines computer science and physical systems. I have an interest in applied AI/ML, Human-Computer Interaction, and Software Engineering.

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| **RESEARCH EXPERIENCE** |

**Casualty Status: Multi-Object Identification**, *Investigator*, *Lincoln Laboratory,* Boston, MA*Sep 2023* ***–*** *Present*

* Analyzed multiple computer vision algorithms’ efficacy in reidentifying trauma victims in dynamic scenarios.
* Extending previous project which fills out trauma cards when a casualty is in our camera’s field-of-view.

**West Point Application Programming Interface,** *Principal Investigator,* West Point, NY*Apr 2023 - Present*

* Analyzed existing APIs for augmented reality platforms and various use attempts in Army-specific applications.
* Developed map visualization software and basic API for the HoloLens for use during cadet summer training.

**Educational Video Creation & Analysis,** *Principal Investigator,* West Point, NY*Aug 2022 – Jan 2024*

* Created instructional videos explaining assembly code, C programming, and multithreading concepts.
* Significantly improved peer quiz performance, with over 75% scoring better due to video usage.
* Presented analysis & findings at the Consortium for Computing Sciences in College Northeast *(CCSCNE 2023)*.
* Journal paper accepted to CCSCNE 2024 discussing our continued efforts and discoveries. (Presenting in April)

**Optimization of Automatic Software Repair,** *Principal Investigator,* West Point, NY *Aug 2022 – Jan 2024*

* Developed a multistage combinatorial interaction testing algorithm and published preprint of results.
* Submitted conference paper to GECCO 2024 comparing the efficacy of our genetic algorithms with other algorithmic techniques (Presenting as a Poster in July).

**Literature Review,** *Author,* West Point, NY*Published Spring 2023*

* Review of Robert Knake and Richard Clarke’s “Fifth Domain” published in *Army Cyber Defense Review Journal.*

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| **PROFESSIONAL EXPERIENCE** |

**GIAC Cyber Certification,** *Certified Incident Handler Certification*, Las Vegas, NV *May 13, 2023*

* Developed expertise in incident response management and forensic analysis.
* Proficient in incident containment & effective collaboration to ensure security incident resolution.
* Trained in response planning, execution, and strategies to enhance organizational operational safety.

**National Security Agency, Fort George Meade,** *Classified Projects Intern,* Baltimore, MD  *June 2022*

* Worked on multi-domain NSA project after obtaining top secret and NSA-specific security clearances.
* Demonstrated leadership, cooperation, and problem-solving skills in a dynamic, classified environment.

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| **LEADERSHIP EXPERIENCE** |

**Cadet Field Training,** *Company Commander,* West Point, NY *May 22, 2023 – June 10, 2023*

* Awarded the 2023 Cadet Field Training "Best Company Commander" for outstanding leadership execution.
* Oversaw training of 27 peer cadre members & 120 cadet trainees in essential military skills & operations.
* Assumed responsibility for 147 company personnel's food, sleep, hygiene, and training during the detail.
* Managed the distribution and use of over $100,000 worth of equipment.

**League of Legends,** *Team Captain (2023-2024), Varsity Member,* West Point, NY *2020 - Present*

* Led 12-member team, creating practice schedules and coordinating competitions while maintaining team cohesion.
* Awarded Varsity MVP for the 2022 season, recognized for overall performance, consistency, and impact.