

Charles Wilmot

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EDUCATION

The University of Virginia | Charlottesville, VA May 2025
Masters of Engineering, Systems Engineering

The University of Iowa | Iowa City, Iowa May 2024
Bachelor of Science & Engineering, Computer Science and Engineering

WORK EXPERIENCE

University of Virginia | Charlottesville, VA August 2024 - Present
Graduate Researcher

- Performed in-depth abstract-decomposition (A-D) analysis to deconstruct complex user interface challenges and enhance project efficiency
- Designed and implemented a hierarchical structure for user interface elements, improving navigation and user experience
- Streamlined development processes by integrating structured methodologies, resulting in more cohesive and user-friendly interfaces

Space Systems Command, United States Space Force | El Segundo, CA
Engineering Intern

- ManTech (Summer 2024)
- Assured Access to Space (Summer 2023)
- The Provenance Chain Network (Summer 2022)

University of Iowa | Iowa City, IA October 2022 - June 2023
Undergraduate Researcher

- Specialized in machine learning techniques to advance research in the field, focusing on data analysis and model development
- Collaborated with a research team to apply cutting-edge machine learning algorithms, driving the project's success
- Contributed to research published in a peer-reviewed journal, with findings available at <https://pubmed.ncbi.nlm.nih.gov/38547389/>

AWARDS

- SMART Scholarship - Department of Defense April 2021
- Dr. Royce E. and Shirley N. Beckett Engineering Scholarship January 2023
- Dare to Discover Research Banner Campaign - University of Iowa October 2023

POST GRADUATION

Space Systems Command, United States Space Force | El Segundo, CA June 2025 - July 2029
Engineer