

Ph.D. student and experienced team/laboratory leader with a demonstrated history of working in the research industry. Skilled in Analytics, Scientific Management, Leadership, and Innovation. Strong operations professional with a Master of Science in Analytics from the Georgia Institute of Technology and a Bachelor of Science in Physics from the United States Air Force Academy. Currently enrolled in the Doctorate program in Computer Science program at Virginia Tech.

## EXPERIENCE

**Ph.D. Student, Computer Science** **Aug 2023 — Present**  
*Virginia Tech* *Blacksburg, VA*

- Member of the Society + AI (SAIL) & Language Laboratory under advisement from Prof Eugenia Rho

**Director of Operations** **May 2022 — Aug 2023**  
*361st Recruiting Squadron* *Joint Base Lewis-McChord, WA*

- Drives daily operations for an 84-member recruiting squadron in 34 offices across 721K square miles
- Coordinates with squadron leadership to enact Commander's intent and strategic vision
- Oversees squadron operations flight responsible for 3 Military Entrance Processing stations and recruiting administrative actions
- Utilizes analytics subject matter expertise to create novel reports on recruiting operations

**Support Flight Commander** **Nov 2020 — May 2022**  
*361st Recruiting Squadron* *Joint Base Lewis-McChord, WA*

- Led squadron's Support Flight and oversaw Commander Support Staff, Communications, Logistics, and Personnel Sections
- Stewarded \$1.5M budget, 652 communication equipment items, 60 GOV fleet, and 34 offices across 721K miles supporting 74 recruiters
- Primary squadron Approving Official validating Operation and Maintenance and Advertising government purchase card (GPC) accounts
- Oversaw civilian personnel management and appraisal as direct supervisor and higher level reviewer for 5 personnel

**Chief of Laboratory Operations** **Jun 2017 — Nov 2020**  
*Harkins Laboratory Complex, AFTAC* *Cheyenne Mountain AFS, CO*

- Managed day-to-day operations for a multi-million dollar laboratory complex
- The complex operates two research lab facilities to conduct research and development in ultra-low background radiological analysis methods

**Director of Operations** **Feb 2017 — Jun 2017**  
*AFRL Maker Hub* *Wright-Patterson AFB, OH*

- Ensured continuous operation of an innovative learning and rapid prototyping environment available to over 10,000 government employees
- Extended network of AFRL external and internal resources to provide assistance to users looking to collaborate with nontraditional partners
- Acted as subject matter expert to the Hub's capabilities including, but not limited to rapid prototyping, CAD/CAM design, additive manufacturing, CNC technologies, microcontrollers, small electronics, code development, and general fabrication techniques

**Executive Officer** **Nov 2015 — Feb 2017**  
*Materials and Manufacturing Directorate, AFRL* *Wright-Patterson AFB, OH*

- Provided executive support to SES Director and O-6 Deputy Director. Planned and executed critical directorate-level taskings
- Executed emergency management procedures for a 900-person Directorate with a \$750M annual budget and \$500M research and development complex
- Directed special job openings to eligible military members. Oversaw nomination procedures to max options for career growth

**Non-Destructive Evaluation Engineer** **Aug 2013 — Nov 2015**  
*Materials and Manufacturing Directorate, AFRL* *Wright-Patterson AFB, OH*

- Conducted in-house research to improve nondestructive inspection (NDI) capability used to ensure structural integrity
- Led over \$6M in Nondestructive Evaluation Research and Development, including a high-vis Advanced Technology Demonstration.
- Developed strategy for advancing eddy-current-based Nondestructive Investigation technologies to enhance aircraft structural integrity evaluations

## EDUCATION

**Master of Science in Analytics**, *Georgia Institute of Technology* Dec 2022  
**Bachelor of Science in Physics**, *United States Air Force Academy* May 2013

Blacksburg, VA  
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# Lance T. Wilhelm

Ph.D. Student

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## SKILLS

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<b>Tools and Languages</b>	Python, R, Git, $\LaTeX$ , Markdown, SQL, C, Java
<b>Quantitative Research</b>	AI/ML/DL, Tableau, Power BI

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## CERTIFICATIONS

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<b>Designing and Building AI Products and Services</b> , MIT xPro	May 2023
<b>Getting Started with Deep Learning</b> , NVIDIA DLI	Aug 2022
<b>CS50x: CS50's Introduction to Computer Science</b> , HarvardX	Feb 2021
<b>Flight Commander Course</b> , Space Launch Delta 45	Apr 2019
<b>Level II Science &amp; Technology Management</b> , Defense Acquisition University	Sep 2016
<b>Level I Engineering</b> , Defense Acquisition University	Apr 2016

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## PUBLICATIONS

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W. Jin and L. Wilhelm. The hateful memes challenge next move, 2022. <https://doi.org/10.48550/arXiv.2212.06655>.

R. L. Balthazor, M. G. McHarg, C. L. Enloe, B. Mueller, D. J. Barnhart, Z. W. Hoeffner, R. Brown, L. Scherliess, and L. T. Wilhelm. Methodology of evaluating the science benefit of various satellite/sensor constellation orbital parameters to an assimilative data forecast model. *Radio Science*, 50(4):318–326, 2015. <https://doi.org/10.1002/2014RS005426>.

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## AWARDS

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<b>FGO of the Quarter</b> , 372nd Recruiting Group	2QCY23
<b>Lance P. Sijan Leadership Award, CGO Nominee</b> , 372nd Recruiting Group	2022
<b>CGO of the Quarter</b> , Team McChord	1QCY22, 3QCY21
<b>Support Flight of the Quarter</b> , Air Force Recruiting Service	2QFY22
<b>CGO of the Year</b> , 361st Recruiting Squadron	CY21
<b>CGO of the Quarter</b> , Air Force Recruiting Service	1QCY21