

Timothy J. Naudet

Publications: <https://github.com/TimJN17/Publications> | **Linked-In:** <https://www.linkedin.com/in/timothy-naudet>

Contact Information: tim.j.n17@gmail.com | 818-414-0815

Education

CARNEGIE MELLON UNIVERSITY, HEINZ COLLEGE, *Pittsburgh, PA*

May 2023

- Master of Information Systems Management - Business Intelligence and Data Analytics
- Received the *Silver Quill Award* for best technical contribution to the *Engineer Magazine* in 2024

UNITED STATES MILITARY ACADEMY, *West Point, New York*

May 2017

- Bachelor of Science in Chemistry
- Awarded *Regional Research Chemist* in 2017 – best chemistry research in my class (see below)
- Treasurer, Scout Master's Council Club (2015-2017)

Skills

Fluencies: **Python** (advanced), **Java** (intermediate), **JavaScript** (intermediate) | **Russian** (working knowledge)

Communication: Strong professional writer; published in numerous magazines

Security Clearances: **TS-SCI** (Top-Secret Sensitive Compartmentalized Information)

Professional Experience *(4 years total)*

Data Scientist, Artificial Intelligence Integration Center (AI2C), Pittsburgh, PA

June 2023 - Present

- *Statistical Reports.* Analyses and wrote statistical analysis for unmanned aerial systems (UAS) target passive-sensor geolocation data and received official corroboration from the Army Testing and Evaluation Center (ATEC) for my work.
- *Web Development.* Successfully built two intra-team web applications and developed the flagship software user interface (UI). Built one intra-team app for metrics and evaluation applications; Built the second as a model evaluation microservice.
- *Software-Hardware Deployment.* [*Bash, PowerShell, Docker*] Successfully installed and tested x5 tethered UAS (TeUAS) prototypes to operationally employ software to field conditions for US Army troops. Wrote .ps1, .sh, and docker scripts.
- *Model Engineering.* Successfully researched and engineered a single, classified model for multi-object tracking.

Mortar and Line Platoon Leader, Fort Riley, KS & Republic of Korea

November 2018 – June 2021

- *Leadership & Management.* Managed separate 40 and 24-man platoons in a Combined Arms Battalion with the mission to train, deploy, fight, and win full spectrum operations world-wide.
- *Supply chain management & Resourcing.* Planned, resourced, conducted, and evaluated training of the platoons to win in a complex environment. Ensured operational readiness within condensed timelines.
- *Executive Presence.* Advised superior officers of the unique tactical advantages afforded by each of my platoons. Recognized as the best navigator and superior tactician in my two different units.

Research Experience *(3 years total)*

Graduate Student, Carnegie Mellon University, Pittsburgh, PA

Jan 2023 – June 2023

- Analyzed ~180 military construction contracts for verbal trends on contract performance, as measured by budget and schedule overrun. Improved budget and schedule overrun estimation to 60% accuracy.
- *Research Paper* - My work was published in the 2024 edition of *Engineer Magazine* and awarded the *Silver Quill*

Materials Science Intern, Lawrence Livermore National Lab (LLNL), Livermore, CA Summers 2016, 2017, & 2022

- *Innovation* - Constructed quarter-sized, single discharge, coin-cells from raw materials in an Argon sealed environment for 25 Lithium-Air and 20 Lithium-Sulfur batteries. I increased battery capacity by minimizing dendrite formation by ~ 7%.
- My third internship focused as tokenization of IDE error messages to improve user understanding of code compiling failures.

Undergraduate Student, United States Military Academy, West Point NY

Jan 2016 – May 2017

- *Quantum Mechanics & Computation Chemistry.* Explored quantum mechanical optimization of molecular bond lengths in low gravity environments to enhance anti-corrosive properties of vacuum exposed paint(s).