

## **EDUCATION**

### **THE UNITED STATES MILITARY ACADEMY AT WEST POINT**

*Bachelor of Science in Mechanical Engineering*

West Point, NY  
July 2012 – May 2016

### **UNIVERSITY OF COLORADO BOULDER**

*Master of Science in Computer Science (In Progress)*

Relevant Coursework: Information Visualization, Algorithms, Data Structures, Data Science with Probability/Statistics, Discrete Structures, Design and Analysis of Operating Systems, Database Management

Remote  
June 2024 -Present

## **EXPERIENCE**

### **The Boeing Company**

*Engineering Analyst*

Kihei, HI  
August 2022 – May 2024

- Developed software automation tools to streamline workflow to better maintain high-precision optical equipment, providing leadership and technicians clear, prioritized paths to more successful operations.
- Improved and oversaw critical version control software for a team of more than 20 engineers to provide clarity into current configuration state and historical changes for multiple high value assets.
- As Test Director, coordinated personnel and refined testing procedures in a critical life-cycle phase to collect and validate data. Contributed to technical documentation essential for the success of the project through all phases of the project lifecycle.
- Created technical documentation and conducted performance assessments on software tools essential for laser safety and testing.

### **2nd Infantry Brigade Combat Team, 4th Infantry Division, United States Army**

*Battalion Current Operations Officer (Project Manager)*

Fort Carson, CO  
November 2018 – June 2021

- Designed and managed a system to receive, analyze, and distribute higher orders to 6 companies in an efficient and timely manner. Ultimately published more than 60 orders, enabling subordinate units to meet complex training objectives in support of higher headquarters' intent.
- Implemented a system to effectively track units across the installation allowing leadership greater visibility into ongoing operations.
- Managed a cloud-based information system to distribute logistics and mission planning products to more than 500 soldiers, facilitating training efforts and providing clarity into major training events.

### **2nd Infantry Brigade Combat Team, 4th Infantry Division, United States Army** Tarin Kowt, Afghanistan; Kandahar, Afghanistan

*Combat Engineer Company Executive Officer (Operations Manager)*

February 2018 – November 2018

- Excelled as the force protection subject matter expert to infantry counterparts while serving in support of Operation Freedom's Sentinel. Provided critical recommendations for force protection asset allocation in an austere and hostile environment in southern Afghanistan
- Collaborated with logistics personnel to lead airfield operations to execute more than 100 aircraft downloads to provide crucial military supplies and food to sustain more than 200 soldiers and airmen
- Managed a forward deployed property book worth in excess of \$20 million dollars with equipment spread across a theatre of operations
- Provided daily route reports to American and Coalition forces for more than 150 combat patrols providing detailed and timely information crucial to mission execution and safety of soldiers involved.

### **2nd Infantry Brigade Combat Team, 4th Infantry Division, United States Army**

*Combat Engineer Platoon Leader (Field Supervisor)*

Fort Carson, CO  
December 2016 – January 2018

- Led a diverse group of 35 soldiers through numerous training events and one stateside deployment to the Joint Readiness Training Center in Louisiana
- Maintained 12 military vehicles and related combat engineer equipment in excess of \$3 million. Refined the platoon's maintenance schedule to achieve a maintenance readiness rate of 92%
- Integrated 3 platoons of combat engineers into an infantry battalion during a rigorous training cycle, offering critical recommendations for training objectives and how to most effectively combine the two different military specialties

## **TECHNICAL SKILLS / QUALIFICATIONS**

- Programming Languages: Python, JavaScript/HTML/CSS, C/C++, SQL, Scala, R
- Data Visualization: Power BI, Tableau, Excel, Matplotlib
- Tools/Platform: Jupyter, PyTorch, Pandas, TensorFlow
- Prototyping: 3D Printing, Machining
- Fundamental Engineer Certified (Mechanical Engineering)