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BURSAW, KEVIN M MAJ USAF AETC 80 A5/9

OBJECTIVE To outline and explain my education and work experience within the United States Air Force as an officer and a pilot. To be used for the purpose of a Curriculum Vitae.

SKILLS & ABILITIES

- Major United States Air Force with multiple leadership and management experience.
- Senior Pilot in United States Air Force with five combat deployments. Rated Aircraft Commander on KC-10A Air Refueling Tanker (over 1400 hrs time in type, 944 combat hours). In charge of safe and effective operation of aircraft and crew both as single ship and as a multi-ship formation. Five combat deployments and 110 combat missions flown.
- Current T-6A Instructor Pilot (IP) at Euro-NATO Joint Jet Pilot Training (ENJJPT). Tasked with instruction of new pilots from across international NATO membership to advance specifically to fighter/bomber aircraft.
- Qualified Mobility Electronic Combat Officer with 3 years of experience in strategic and tactical chart making.
- Commercial Pilot with Instrument, Multi-Engine and multiple type ratings including DC-10. Over 2200 hours total aircraft time.
- Currently hold a Top Secret Security Clearance.
- Government Six Sigma courses: Yellow belt trained; Green belt academic complete.
- 3 years residential and commercial construction/demolition experience.
- Eagle Scout

EXPERIENCE SENIOR PILOT, UNITED STATES AIR FORCE

01/2014-PRESENT

Flew KC-10A Air Refueling Tanker in combat and support roles. Deployed 2-3 times a year. In command of minimum 4-person combat crew. 110 Combat Missions flown, and 5 Air Medals earned. Currently flying T-6A as a Instructor Pilot. Instructs new students in basic and advanced contact, instrument, formation, and low-level flying.

RESOURCE ADVISOR/EQUIPMENT MANAGER/BUILDING MANAGER-2D AIR REFUELING SQUADRON

07/2016-7/2017

Managed Fiscal Year budget of approximately \$155,000 for combat squadron annually. Led 3-person team to buy and approve purchases for squadron equipment and necessities. Planned and updated yearly squadron budget. Managed squadron equipment and updated gear issue lists/issued gear (over \$500,000 worth of equipment to manage). Managed upkeep of squadron building on base which houses 2 squadrons. Was personally responsible for repairs and updates. Coordinated with Civil Engineering and Contracting to buy tools/materials, install and repair various parts of building.

TACTICS OFFICER/ASSISTANT CHIEF/ACTING CHIEF OF TACTICS-2D AIR REFUELING SQUADRON

05/2017-4/2019

Second-in-Command of tactics shop. In charge of classified materials and instruction of new and senior pilots in the use of combat tactics. Multiple presentations given every month to senior officers. Part of team for \$80,000 overhaul of tactical office.

CHIEF OF SCHEDULING-2D AIR REFUELING SQUADRON

5/2019-10/2019

Responsible for 16-person+ scheduling office. Tasked with maintaining over 150 currencies for 4 different crew positions as well as maintaining and executing local and worldwide mission schedule as tasked by 2ARS, 305 AMW and 618 AOC (TACC). Missions included combat deployments, movement of cargo and fighter packages as well as US Presidential support. Time in office was cut short due to Permanent Change of Station (PCS) to Sheppard AFB, TX.

ASSISTANT DIRECTOR OF OPERATIONS (ADO)-908TH EXPEDITIONARY AIR REFUELING SQUADRON

8/2019-10/2019

3rd of the Top 3 in a deployed combat squadron out of Al Dhafra AB, UAE. Responsible for planning and execution of Combined Forces Air Component Commander (CFAC) directed air refueling mission for operations in Southwest Asia to include Operation Inherent Resolve (OIR) and Operation Resolute Shield (ORS). Duties included planning and execution of daily schedule of 15 combat flights a day to meet objectives as well as management of over 20 4-person crews over 24-hour periods.

Flight Commander (E Flight) – 459th Flying Training Squadron

9/2020–5/2021

Flight Commander responsible for the supervision of 5 additional instructor pilots and 15 students. Responsibilities included managing student training load and timeline for graduation, as well as making sure that instructor pilots kept current in training maneuvers.

T-6 Innovation Team Lead – 80th Operations Group

5/2021-5/2023

Tasked with researching, testing, and implementing new training techniques solutions for the T-6 at ENJJPT for over 14 countries. Helped research and create new curriculum for T-6

and integrate Virtual Reality training. Built and maintained new analytics program to help guide decision making and assessment. Trains students and instructors in use of new techniques and equipment. Additionally tasked with syllabus development for two different syllabi for student and instructor pilot training.

A5/9 Chief of Wing Plans and Chief of Wing Reports and Analysis – 80TH Flying Training Wing

5/2023 – Present

Reorganized Innovation into a Wing Staff position. Tasked with leading two Captains and Four Lieutenants. Responsible for research, innovation, implementation and analysis of Wing directed projects. Continued experimentation on Virtual Reality training, as well as score comparison of students to validate syllabus changes. Involved raw data pulls from databases of 10+ years of student training data with SQL and Python scripting to analyze. Tasked with curation of Wing emergency plans. Additionally, tasked with providing data visualization to our pilot manning problem, as well as aircraft bird strikes to help with improved training and safety. Lead on a project that coordinated with 14 different NATO countries to help build organic data pipeline, (first time in Wing history), to be used for the purposes of analysis for data driven decision making for syllabus flow and student loading in classes.

EDUCATION

- OKLAHOMA STATE UNIVERSITY-ONLINE EDD IN APPLIED EDUCATIONAL STUDIES IN AVIATION AND SPACE EDUCATION

4.0 Graduating GPA. Dissertation published. Bursaw, K.M. & Casebolt, M.K. (2023) The Effects of Operationally Limited Environments on Primary Flight Training at the Collegiate Level. *Journal of Aviation/Aerospace Education and Research*, 32(2). <https://doi.org/10.58940/2329-258X.1978>. Dissertation was a mixed methods study of COVID-19s effects on the US pilot training pipeline. Coursework included learning theory, aviation security, aviation education, space education, statistics, and research.

- UNIVERSITY OF WISCONSIN-MADISON-ONLINE MS IN CARTOGRAPHY AND GIS DEVELOPMENT

4.0 GPA. Currently in degree, with projected graduation of Summer 2025. Coursework includes big data visualization, using not only Python, Java and HTML, but ArcGIS products, geospatial analysis, GIS product and workflow development, and database creation and management.

- UNIVERSITY OF MIAMI-ONLINE-MBA

3.816 Graduating GPA. Coursework included multiple analytical, financial/accounting and executive leadership courses as well as courses in economics and business operations.

- PURDUE UNIVERSITY-WEST LAFAYETTE, IN-BS PROFESSIONAL FLIGHT TECHNOLOGY

3.14 Graduating GPA. Coursework included multiple flying and ground school classes as well as classes in aviation management, math, economics, communication and physics.

- SQUADRON OFFICER SCHOOL (SOS)-MAXWELL AFB, AL-CLASS 20A

In-Residence graduate of SOS. Intense 8-week program consisting of courses in leadership, followership, joint-warfare, and strategic design.

- ADVANCED AIRLIFT TACTICS TRAINING CENTER-ROSECRANS ANG BASE, MO-COMBAT AIRCREW TACTICS STUDIES/MOBILITY ELECTRONIC COMBAT OFFICER COURSE(CATS/MECOC)

Intermediate level course. Students are trained in combat employment and defensive systems. Focuses on effective employment as well as survival in electronic warfare environments and tactical/strategic map development. Qualifies graduates to lead deployed mission planning cells and tactics offices.

-AIR FORCE FLIGHT STANDARDS AGENCY-ADVANCED INSTRUMENTS SCHOOL

A full course focusing on the design, implementation, and administration of instrument procedures for flight. Additionally focused on instruction of advanced instrument concepts to pilots back at home squadrons and groups.

- MIT xPRO-GRADUATE CERTIFICATE IN DESIGNING AND BUILDING AI PRODUCTS AND SERVICES

Selected as part of an Air Force experimental program for line officers to earn graduate certificates. Taught through multiple MIT Schools. Online short course on understanding design principles and applications of AI across various industries, as well as the basic fundamentals of machine and deep learning algorithms. The final project was a full AI design proposal for an organization of choice.

- MIT xPRO-GRADUATE CERTIFICATE IN MACHINE LEARNING IN BUSINESS

Selected as part of an Air Force experimental program for line officers to earn graduate certificates. Taught by the MIT Sloan School of Management and the MIT Computer Science and Artificial Intelligence Laboratory. Online short course on

COMMUNICATION

- Numerous presentations to senior Air Force leaders from 14 NATO countries.
- Briefs and flies sorties with multiple students from 14 different NATO countries including contact, instrument, formation and low level flying.. Most students are English as a second language students.
- Multiple budget presentations to squadron, group and wing leadership.
- Able to effectively express ideas in in-flight environment to senior officers and subordinates as well as engaging in multiple group discussions per flight.
- Multiple instances of team problem solving while in-flight with senior and junior members of flight crew.
- Strategic and tactical planning and briefs occurring before and after every flight.
- One of lead tanker planners for Exercise Swift Response 2019.
- Coordinated with senior officers across multiple Major Weapons System (MWS) platforms for successful integration on multiple exercises and combat missions both local and international.
- Taught basic and advanced combat tactics to junior and senior officers in and out of the aircraft, simulator and classroom. Including the Advanced

Intelligence and Tactics Course (AIT) as both a Co-Pilot and Aircraft Commander.

- Chosen as one of two KC-10A representatives at Mobility Air Force (MAF) Weapons and Tactics Symposium for 2 years in a row. Liaised, planned and presented Courses of Action (COAs) senior MAF leadership.

LEADERSHIP

- Major United States Air Force and active duty officer who has overseen multiple enlisted personnel and officers in various projects.
- Chosen as Resource Advisor as new 1Lt to fill a vacant Captain's position; responsible for over \$155,000 annual budget for combat squadron.
- Personally completed work on special project of \$80,000 renovation of new squadron tactics shop.
- Leads aircraft crew in combat and peacetime missions.
- Hand-picked by Squadron Commander to help establish new tactics shop for KC-10s as 1Lt.
- Part of a 4-man team to develop and test the AMC/CC directed Integrated Mission Sortie (IMS) program for KC-10s at Joint Base McGuire-Dix Lakehurst, NJ. Developed over 2 years and test flew first sortie of its kind. Continued program flights and development for over 1.5 additional years.
- Flight Commander in 459th Flying Training Squadron – E Flight. Supervised 15 students and 5 instructors.
- T-6 Innovation Team Lead in 80th Operations Group. Built and maintained new programs from new and emerging technologies for improved training techniques and analytics. Have helped develop and write two new syllabi for student and instructor pilot training to help integrate new and emerging technology.
- A5/9 Chief of Wing Plans and Chief of Wing Reports and Analysis in 80th Flying Training Wing. Responsible for leading two Captains and four Lieutenants with Wing tasked and directed projects. Reported directly to the Wing Commander who's emphasis was on data driven decision making for NATO fighter pilot training. Lead on manning shortage and gradebook analysis projects. Additionally responsible for assisting with contracts at the Wing level. Participated in multiple contract negotiations in values up to \$1.8M.