

Fletcher Owen Bucolo
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OBJECTIVE: To obtain an engineering internship beginning summer of 2015.

EDUCATION: Intended Bachelor of Science in Computer Engineering
The Pennsylvania State University, University Park, PA
Anticipated Graduation: May 2018

RELEVANT COURSES: -Engineering Design -Biological Engineering -Chemistry 110

PROFESSIONAL EXPERIENCE: Active Duty US Marine Corps (USMC) – 3rd Battalion, 11th Marines, Marine Corps Air Ground Combat Center, Twenty-nine Palms, California
25 OCT 2012 –15 NOV 2013

Fires Chief

- Provided and established a positive and well-structured training program to ensure subordinate Marines have a thorough knowledge of fire support related systems and procedures associated with the Marine Corps and allied countries.
- Developed, coordinated, and taught a period of instruction to six 0802 officers in the FSCC on tactics, techniques, and procedures used in Close Air Support (CAS) and fire support operations.
- Taught Joint Terminal Attack Controller and CAS TTPs to V37 liaison team in preparation for Training and Readiness evaluation, ensuring proficiency and readiness for combat operations during Operation Enduring Freedom.
- Prepared five sergeants for attendance to Tactical Air Control Party School on TTPs for fire support operations and integration of CAS with IDF.
- Prepared 6 corporals for attendance to Joint Fires Observer course through use of Deployable Virtual Training Environment.

PROFESSIONAL EXPERIENCE: Active Duty US Marine Corps (USMC) - 1st Battalion, 7th Marines, RC-SW, Helmand Province, Afghanistan
29 FEB 2012 – 25 OCT 2012

Battalion / Company Joint Terminal Attack Controller

- Controlled and deconflicted the air tasking and airspace for over 250 flights, of 28 different ISAF Aircraft Platforms supporting the Battalion, RC(SW), Special Operations Forces, and GIROA conducting Offensive Air Support, Assault Support, and Manned/Unmanned Aerial Reconnaissance in Northern Helmand Province (Sangin, Musa Qal'ah, and Now Zad), Afghanistan.
- Maintained, updated, and published the Battalion daily Pilot Update Brief for all organic and ISAF air squadrons.
- Inserted with Company D during the battalion's most kinetic combat operation, Jaws D5, safely conducting multiple rotor wing resupplies and provided targeting information that allowed for combined arms strikes.

- Conducted over 10 Medical Evacuations for Marines, Afghan Security Forces, Enemy Combatants, and Local National Non-combatants during combat operations in Afghanistan for OEF and 20 landing zone controls for tactical re-supply of combat outposts.

PROFESSIONAL EXPERIENCE: Active Duty US Marine Corps (USMC) – 1st Battalion, 7th Marines, Twenty-nine Palms, CA

30 NOV 2011 – 29 FEB 2012

Company Joint Terminal Attack Controller

- During Battalion pre-deployment training executed successful airspace deconfliction of multiple sections of Fixed/Rotary wing, Surveillance aircraft, rotor wing and tilt-rotor troop inserts, simulated MEDEVACs, and combined arms integration of 3 Artillery Batteries, 81 mm mortars, 60 mm mortars, TOW Missiles, and .50 CAL heavy machine guns during Exercise Enhanced Mojave Viper.
- Safely executed 63 fixed and rotor wing Close Air Support controls utilizing LASER designators, Infrared pointers, and Joint Fires Observers in permissive and restrictive environments.
- Advised the Company Commander and Fire Support Team leader on the capabilities, limitations, ordnance and correct employment of air assets.

PROFESSIONAL EXPERIENCE: Active Duty US Marine Corps (USMC) – 3rd Battalion, 11th Marines, Marine Corps Air Ground Combat Center, Twenty-nine Palms, California

23 MAR 2011 – 30 NOV 2011

Fires Chief

- Participated in two Regimental Command Post Exercises from 18-22 Jul and 15-18 where I trained subordinate Marines in digital fire support operations on the TLDHS and AFATDS.
- Participated in Scorpion Fires from 24-27 Jul filling the billet of Joint Fires Observer in support of Joint Terminal Attack Controllers by providing Terminal Guidance Operations for multiple fixed and rotary-wing controls.
- Participated in the 11th Marines Regimental Fire Exercise from 20 Aug through 01 Oct filling the billet of Assistant Battalion Fires Chief, responsible for the establishment and sustainment of all digital fire support systems. In addition, supervised the clearance of over 300 digital fire support missions.

PROFESSIONAL EXPERIENCE: Active Duty US Marine Corps (USMC) – 5th Air Naval Gunfire Liaison Company, RC-SW, Helmand Province, Afghanistan

04 APR 2011 – 15 SEP 2011

Fire Power Control Team Chief

- Directly supported Company C, 40 Commando Royal Marines as a forward observer at six different combat outposts conducting over 40 dismounted and 11 mounted patrols.
- Provided targeting information to the Joint Terminal Attack Controller (JTAC) on three separate occasions which resulted in kinetic strikes from aviation assets.
- Delivered indirect illumination targeting information, on two separate occasions, to the 40 Commando Joint Fires Cell.
- Developed turn over briefs, for both British indirect firing assets and U.S. indirect firing assets, specific to theater operating procedures for each country.

SYSTEMS EXPERIENCE AND PROFICIENCIES:

Microsoft Suite (Excel, PowerPoint, Word, and Outlook), Share point, Falcon View, C2PC, MIRC, Transverse, Google Earth, SIPR, CENTRIX, Target Location Designation Hands Off System (TLDHS), Advanced Field Artillery Technical Data System (AFATDS), Precision Strike Suite for Special Operations Forces (PSS-OFF), Theater Battle Management Core Systems (TBMCS), Deployable Virtual training Environment (DVTE)

Tactical Air Control Party Course, Expeditionary Warfare Training Group Pacific, NAB Coronado, San Diego, CA 2011

- NATO Qualified Joint Terminal Attack Controller per JCAS PUB 3-09.3/ JCASMOA/ STANAG 3797

Various Fire Support Courses:

2005-2013

- Command Post of the Future (CPOF)
- Command and Control Personal Computer (C2PC)
- Advanced Field Artillery Tactical Data Systems (AFATDS)
- Precision Strike Suite for Special Operation Forces (PSS-OFF)
- Target Location Designator Hands off System/ Strike Link (TLDHS)
- JTAC Laser Target Designator (JTAC LTD)
- Portable Lightweight Designator and Laser Range finder (PLDR)
- Deployable Virtual training Environment (DVTE)
- Joint Automated Deep Operations Coordination Systems (JADOCS)

References:

- Reference letters available upon request.

Awards:

- Navy and Marine Corps Achievement Medal (x2)
- Combat Action Ribbon
- Iraq Campaign Medal (x2)
- Afghanistan Campaign Medal (x2)
- Marine Corps Good Conduct Medal (x2)
- Navy Meritorious Unit Commendation
- Navy Unit Commendation
- Sea Service Deployment Ribbon (x4)
- Global War on Terrorism Service Medal
- NATO ISAF Medal
- Meritorious Unit Commendation
- Certificate of Appreciation (x2)