Dave Craddock

College Station, TX 77840
(678) 378-8446
craddockd@gmail.com
craddockd@tamu.edu

EDUCATION

2002 – 2006	**Washington and Lee University**	Lexington, VA

Bachelor of Science in Commerce, Business Administration
Bachelor of Arts, History

2020 – 2023	**Texas A&M University**	College Station, TX

Bachelor of Science, Physics – in progress

Relevant Coursework:

ASTR 314*	Survey of Astronomy	PHYS 331*	Theoretical Methods I
PHYS 309*	Modern Physics	PHYS 225*	Electronic Circuits
PHYS 221	Optics / Thermal Physics	PHYS 207	Electricity / Magnetism
PHYS 206	Newtonian Mechanics	MATH 308	Differential Equations
MATH 304*	Linear Algebra	MATH 300	Math Foundations
MATH 221	Several Variable Calculus	CHEM 107	General Chemistry
CSCE 121	Intro to C++ Programming	ECON 201T	Applied Statistics
MGMT 203T	Quantitative Models		

* – in progress; T – transfer credits

SUPPLEMENTAL EDUCATION

2018 – 2019	**Massive Open Online Course Certificates**	**Coursera**
	Python for Everybody 5-Course Specialization	University of Michigan
	Web Design for Everybody 5-Course Specialization	University of Michigan
	Fundamentals of Computing 7-Course Specialization	Rice University
	The Data Scientist's Toolbox	Johns Hopkins University
	R Programming	Johns Hopkins University
	Getting and Cleaning Data	Johns Hopkins University
	Astronomy: Exploring Time and Space	University of Arizona
	Introduction to Chemistry: Structures and Solutions	Duke University
	Introduction to Chemistry: Reactions and Ratios	Duke University
	How Things Work: An Introduction to Physics	University of Virginia
	Introduction to Mathematical Thinking	Stanford University
	Math for Machine Learning: Linear Algebra	Imperial College of London
	Math for Machine Learning: Multivariable Calculus	Imperial College of London
	Introduction to Ordinary Differential Equations	KAIST

TRAINING

2016	**F-5N/F Functional Check Flight Syllabus**		Key West, FL

United States Navy | VFC-111

F-5 Aircraft Systems	Structural Limitations	Aircraft Engineering
Maintenance Practices	Problem-solving	Decision-making

2015 – 2016	**F-5N/F Instructor / Adversary Level IV Syllabus**		Key West, FL

United States Navy | VFC-111

F-5 Aircraft Systems	Briefing / Debriefing	Tactics Development
Tactics Research	Tactics Instruction	Leadership

2012 – 2015	**F/A-18C SFWT Level IV Syllabus**		Lemoore, CA

United States Navy | VFA-146

F/A-18 Aircraft Systems	Briefing / Debriefing	Teamwork
Mission Planning	Tactics	Leadership

2010 – 2012	**F/A-18C Category 1 Fleet Replacement Squadron Syllabus**		San Diego, CA

United States Marine Corps | VMFAT-101

F/A-18 Aircraft Systems	Targeting Systems	Ordnance
RADAR Systems	Night Vision Devices	Tactics

2008 – 2010	**Naval Aviator**		Multiple, US

United States Navy | VT-27, VT-9

Aerodynamics	Aircraft Engines	T-45 Aircraft Systems
Navigation	Electrical Systems	Physiology / First Aid
Meteorology	Hydraulic Systems	Land / Water Survival
Aircraft Engineering	T-34 Aircraft Systems	Risk Management
Situational Awareness	Decision-making	Adaptability / Flexibility

WORK EXPERIENCE

2015 – 2018	**VFC-111 "Sundowners"**	Key West, FL

2016 – 2018   **Functional Check Flight (FCF) Pilot**: Selected by board with Commanding Officer approval to be one of two full time squadron FCF pilots. Conducted post maintenance flights to ensure aircraft were airworthy for mission use. Worked with maintenance contractors and aircraft engineers to determine malfunction causes.

2016 – 2018   **Instructor Pilot:** Instructed navy, marine, air force, and international pilots and flight officers of varying experience in within visual range (WVR) engaged maneuvering.

2015 – 2018   **Adversary Pilot**: Researched threat tactics to develop and lead adversary training presentations for navy, marine, air force, and international training events.

     Range Training Officer: Monitored real-time missions to ensure all aircrew and air controllers adhered to safety standards.

     Operations Duty Officer: Rotating duty; dealt with airborne emergencies and managed the daily schedule by prioritizing, modifying, or cancelling events when problems occurred.

     Squadron Duty Officer: 24-hour rotating watch, on-call squadron representative. Determined course of action for any problems that occurred during watch period. Delegated to assistant duty personnel as required.

2017 – 2018   **Naval Air Training and Operating Procedures Standardization (NATOPS) Officer**: Ensured all squadron pilots maintained the required qualifications to safely execute 3,562 sorties. Presented quarterly safety and aircraft systems training to squadron pilots. Delegated intermittent and disciplinary training as required.

     Senior Watch Officer: Reviewed and updated squadron watch instructions. Confirmed that all squadron duty officers and enlisted watch standers adhered to proper watch procedures.

2016 – 2017   **Quality Assurance Officer:** Functioned as liaison to the contracted maintenance department and verified adherence to navy standards for 44 maintenance programs. The maintenance department received "Best in Wing" designation from its parent command.

2015 – 2016   **Schedules Officer**: Coordinated with all departments, visiting squadrons, contractors, air traffic control, base operations, and range controllers to generate daily flight schedules for over 4,000 sorties.

2015   **Assistant Training Officer, Navigation Publications Officer:** Ensured that all training material was current, organized, and ready for dissemination to aircrew. Managed 36 squadron aircrew training records.

<u>2012 – 2015</u>   **<u>VFA-146 "Blue Diamonds"</u>**   Lemoore, CA

2012 – 2015   **Squadron Pilot:** Planned, briefed, executed, and debriefed a wide variety of missions from land and aboard USS Nimitz. SFWT Level IV Division Lead. 2012 Rim of the Pacific Exercise, Jan – Dec 2013 Deployment, Operation Enduring Freedom.

2014 – 2015   **Assistant Operations Officer, DRRS-N Officer, Air-to-Air Weapons Training Officer:** Developed and executed an extensive training plan resulting in six division qualifications, three section leads, and a wingman. Maintained squadron operational flight records, submitting weekly reports and ensuring proper tactical event documentation and readiness for all pilots.

Quality Assurance Officer: Led 31 quality assurance personnel while providing oversight for 13 maintenance work centers and 42 maintenance programs. VFA-146 won the 2013 CAPT Michael J. Estocin award for outstanding performance, achievements, and contributions to naval aviation.

2013 – 2014   **Division Officer:** Managed the Aircraft Division consisting of 60 sailors and the Corrosion, Paraloft, Egress, Powerplants, and Airframes work centers. Served as the Taxi / Turn-Up program manager.

Public Affairs Officer: Maintained squadron social media, drafted and edited squadron articles for naval publications, arranged tours for VIPs, and gave presentations to visiting dignitaries.

2012 – 2013   **NATOPS Officer, Ground Safety Officer:** Maintained NATOPS records and log books for 17 pilots, verifying pilot currency. Ensured all enlisted personnel received and adhered to ground related safety training and procedures.

Schedules Officer: Scheduled over 2,000 sorties while coordinating and helping plan squadron detachments for Composite Training Unit / Joint Task Force Exercises and the 2012 Rim of the Pacific exercise.

2012 – 2015   **Other**: Midshipman Coordinator, Navigation Publications Officer, Squadron / Operations Duty Officer, DRRS-N Assistant Officer, EKMS Liaison.

2010 – 2012   **VMFAT-101 "Sharpshooters"**   San Diego, CA

Category I Pilot: F/A-18 fleet replacement squadron training.
Other: Assistant Operations Duty Officer, Group Duty Officer, Squadron Duty Officer, Assistant Legal Officer.

2007 – 2010   **Naval Officer / Flight Training**   Multiple, US

2004 – 2007   **Banker / Fly Fishing Guide**   Multiple, US

AWARDS

Navy and Marine Corps Commendation Medal (2018), Navy "E" Ribbon (2018, 2016), Navy and Marine Corps Achievement Medal (2015), Navy Meritorious Unit Commendation (2013), Afghanistan Campaign Medal (2013), Sea Service Deployment Ribbon (2013), Navy Pistol Marksman Ribbon (2012), Global War on Terrorism Service Medal (2010), National Defense Service Medal (2008).