

# Dave Craddock

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## EDUCATION

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2002 – 2006      **Washington and Lee University**      Lexington, VA  
Bachelor of Science in Commerce, Business Administration  
Bachelor of Arts, History

### Relevant Coursework:

MATH 221A	Multivariable Calculus	AP: CHEM 100	Modern Chemistry
ECON 201	Elementary Applied Statistics	AP: CHEM 15CN	Non-Major GE
MGMT 203	Quantitative Models	AP: MATH 101	Calculus I
BIOL 111	General Biology	AP: MATH 102	Calculus II
GEOL 201	Oceanography		

## SUPPLEMENTAL EDUCATION

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

## TRAINING

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2016	<b>F-5N/F Functional Check Flight Syllabus</b> United States Navy   VFC-111 F-5 Aircraft Systems Maintenance Practices	Structural Limitations Problem-solving	Key West, FL  Aircraft Engineering Decision-making
2015 – 2016	<b>F-5N/F Instructor / SFWT Level IV Adversary Syllabus</b> United States Navy   VFC-111 F-5 Aircraft Systems Tactics Research	Briefing / Debriefing Tactics Instruction	Key West, FL  Tactics Development Leadership
2012 – 2015	<b>F/A-18C SFWT Level IV Syllabus</b> United States Navy   VFA-146 F/A-18 Aircraft Systems Mission Planning	Briefing / Debriefing Tactics	Lemoore, CA  Teamwork Leadership
2010 – 2012	<b>F/A-18C Category 1 Fleet Replacement Squadron Syllabus</b> United States Marine Corps   VMFAT-101 F/A-18 Aircraft Systems RADAR Systems	Targeting Systems Night Vision Devices	San Diego, CA  Ordnance Tactics
2008 – 2010	<b>Naval Aviator</b> United States Navy   VT-27, VT-9 Aerodynamics Navigation Meteorology Aircraft Engineering Situational Awareness	Aircraft Engines Electrical Systems Hydraulic Systems T-34 Aircraft Systems Decision-making	Multiple, US  T-45 Aircraft Systems Physiology / First Aid Land / Water Survival Risk Management Adaptability / Flexibility

## WORK EXPERIENCE

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<b><u>2015 – 2018</u></b>	<b><u>VFC-111 “Sundowners”</u></b>	Key West, FL
2016 – 2018	<b>Functional Check Flight (FCF) Pilot:</b> 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	<p><b>Instructor Pilot:</b> Instructed navy, marine, air force, and international pilots and flight officers of varying experience in within visual range (WVR) engaged maneuvering.</p>
2015 – 2018	<p><b>Adversary Pilot:</b> Researched threat tactics to develop and lead adversary training presentations for navy, marine, air force, and international training events.</p> <p><b>Range Training Officer:</b> Monitored real-time missions to ensure all aircrew and air controllers adhered to safety standards.</p> <p><b>Operations Duty Officer:</b> Rotating duty; dealt with airborne emergencies and managed the daily schedule by prioritizing, modifying, or cancelling events when problems occurred.</p> <p><b>Squadron Duty Officer:</b> 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.</p>
2017 – 2018	<p><b>Naval Air Training and Operating Procedures Standardization (NATOPS) Officer:</b> 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.</p> <p><b>Senior Watch Officer:</b> Reviewed and updated squadron watch instructions. Confirmed that all squadron duty officers and enlisted watch standers adhered to proper watch procedures.</p>
2016 – 2017	<p><b>Quality Assurance Officer:</b> 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.</p>
2015 – 2016	<p><b>Schedules Officer:</b> 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.</p>
2015	<p><b>Assistant Training Officer, Navigation Publications Officer:</b> Ensured that all training material was current, organized, and ready for dissemination to aircrew. Managed 36 squadron aircrew training records.</p>
<u>2012 – 2015</u>	<p><u><b>VFA-146 “Blue Diamonds”</b></u> <span style="float: right;">Lemoore, CA</span></p>
2012 – 2015	<p><b>Squadron Pilot:</b> Planned, briefed, executed, and debriefed a wide variety of missions from land and aboard USS Nimitz. Strike Fighter Weapons and Tactics Level IV Division Lead: Qualified to lead four aircraft and instruct Level I (new pilot), II (wingman), and III (section lead) pilots. 2012 Rim of the Pacific Exercise, Jan – Dec 2013 Deployment, Operation Enduring Freedom.</p>

2014 – 2015	<p><b>Assistant Operations Officer, DRRS-N Officer, Air-to-Air Weapons Training Officer:</b> 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.</p> <p><b>Quality Assurance Officer:</b> 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.</p>	
2013 – 2014	<p><b>Division Officer:</b> 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.</p> <p><b>Public Affairs Officer:</b> Maintained squadron social media, drafted and edited squadron articles for naval publications, arranged tours for VIPs, and gave presentations to visiting dignitaries.</p>	
2012 – 2013	<p><b>NATOPS Officer, Ground Safety Officer:</b> 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.</p> <p><b>Schedules Officer:</b> 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.</p>	
2012 – 2015	<b>Other:</b> Midshipman Coordinator, Navigation Publications Officer, Squadron / Operations Duty Officer, DRRS-N Assistant Officer, EKMS Liaison.	
<b><u>2010 – 2012</u></b>	<b><u>VMFAT-101 “Sharpshooters”</u></b>	San Diego, CA
	<p><b>Category I Pilot:</b> F/A-18 fleet replacement squadron training.</p> <p><b>Other:</b> Assistant Operations Duty Officer, Group Duty Officer, Squadron Duty Officer, Assistant Legal Officer.</p>	
<b>2007 – 2010</b>	<b>Naval Officer / Flight Training</b>	Multiple, US

## AWARDS

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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).