

James Barnhart

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EDUCATION

Old Dominion University Global Campus <i>Master's in Data Science and Analytics</i>	In-progress
University of California Los Angeles Extension Los Angeles, CA <i>Technical Certification in Systems Analysis</i>	2018
University of Maryland University College Adelphi, MD <i>Master's in Information Technology</i>	2015
US Army Command and General Staff College Fort Leavenworth, KS <i>Military Diploma in Operations Management</i>	2014
University of Guam Mangilao, Guam, USA <i>Bachelor's in Anthropology</i>	2002

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C
Tools and Software: GitHub, Anaconda, Visual Studio Code, Jira, Confluence, SharePoint, MS Teams, Zoom

RELEVANT EXPERIENCE

Booz Allen Hamilton Washington D.C. <i>Associate - Technical Manager</i>	February 2023 – Present
<ul style="list-style-type: none">- Provides guidance and top-level technical vision for testing and evaluating MLOps Pipelines that connect 3D model design and interact in a physics-based environment while incorporating the ability to label, train, and deploy ML models.- Develops Test and Evaluation Plans using operational test cases that test the accuracy of computer vision models using mAP and HOTA scoring criteria.- Coordinates and drives business processes by gathering technical requirements from internal staff and connecting them to business objectives.	
Lieutenant Colonel, US Army Futures Command Fort Lee, VA <i>Senior Technical Manager</i>	2019 – 2022
<ul style="list-style-type: none">- I managed a \$12M classified network and simulations tools while supervising an on-site team of more than six models and simulations, IT, and security experts.- Transforms organizational structure by implementing innovative technology, enhancing existing procedures, and efficient manpower management.- I designed and executed experiments to gather data and derive insights. I developed statistical models to analyze and interpret experimental data. My team and I produced data analytics and visualization using various data sources.	
Major, US Army Futures Command Fort Eustis, VA <i>Project Manager, Early Synthetic Prototyping</i>	2017 – 2019
<ul style="list-style-type: none">- Administered a \$4.7M budget in 2018, approving \$4.6M for a new project in 2019.- Led, supervised, and guided a decentralized team of 25+ engineers, technologists, military, and data experts, focusing on a cutting-edge project incorporating Unreal Gaming Engine and Amazon Web Services (AWS).- Designed a strategic plan and developed a functional game for testing capabilities without constructing physical models, saving taxpayers millions of dollars.	
Major, 25th Infantry Division Schofield Barracks, HI <i>Manager of Technology, Data Analytics, and Insights</i>	2014– 2017
<ul style="list-style-type: none">- Designed and launched a cost-effective Pacific-wide enterprise-level Knowledge Management Program involving 16+ representatives, 5+ subsidiary companies, and various distributed networks.- Facilitated top-level executive collaboration and decision-making by implementing innovative software and data solutions.	
2nd Lieutenant, 1st Lieutenant, and Captain Various Deployments and Duty Stations <i>Various Leadership Roles and Management Positions</i>	2002– 2014
<ul style="list-style-type: none">- Managed security and accountability of 125+ service members and over \$200M in equipment while leading combat operations in high-stakes foreign environments across Iraq and Afghanistan.	