

Kathleen Tiley

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EDUCATION

Bachelor of Science in Computer Science , University of Florida, Gainesville, FL (Remote)	May 2023
Projects: MERN Stack Web App , Compiler Model Implementation in Java	GPA: 3.98 / 4.00
Master of Arts in National Security Studies , Georgetown University, Washington, DC	May 2018
<i>Thesis: Explaining Military Intervention Under the Economic Community of West African States</i>	GPA: 3.86 / 4.00
Bachelor of Arts in Peace and Conflict Studies , Colgate University, Hamilton, NY	May 2014
<i>Thesis: Egyptian Civil-Military Relations and the 2011 Revolution</i>	GPA: 3.91 / 4.00

EXPERIENCE

Software Engineer , L3Harris Technologies, Herndon, VA / Remote	May 2022 – Jul 2023
<ul style="list-style-type: none">Develop, implement, test, and document software solutions to customer requirements for new satellite image processing and analysis capabilities as part of a 15-person Agile development teamInvestigate and resolve errors in image rectification tools used by 100+ company employees to transform satellite images accuratelyInvestigate and resolve errors in image rectification tools used by 100+ company employees to transform satellite images accuratelyDesigned a system to orthorectify classified satellite imagery and import images into external software using Lua and Python, satisfying a senior government customer requestIndependently learned new programming languages, APIs, and image science concepts and immediately implemented knowledge to design new software solutions to image processing problems	
Community Liaison Officer (CLO) , U.S. Consulate General Amsterdam, The Netherlands	May 2019 – Mar 2020
<ul style="list-style-type: none">Designed a personnel management system for 500+ members of the U.S. Mission to the Netherlands to ensure accountability during crises; Reduced time spent on CLO reporting by 92% while increasing accuracy by 10%Produced an interactive map in Microsoft Power BI allowing users to quickly visualize U.S. Mission engagement throughout the Netherlands and prioritize engagement targetsCollaborated with CLO team to manage an annual program of 35 events supporting U.S. Mission community needs	
Desk Officer, Defense Attaché Service (DAS) , Defense Intelligence Agency (DIA), Washington, DC	Jun 2016 – Jan 2019
<ul style="list-style-type: none">Managed the daily operations of the 9-person U.S. Defense Attaché Office (DAO) in Ankara, Turkey in a fast paced and high impact environmentDesigned data-driven processes to assess DAO operations and ensure alignment of DAO resources with analytic production requirements and key U.S. national security prioritiesIdentified and corrected errors in DIA Headquarters datasets allowing DIA to accurately measure the performance of 86 officers across Europe and provide correct input to their performance evaluationsSelected above more senior peers to evaluate and revise DAS HQ operational policies to ensure effective implementation and applicability to DAO operating environments	

SKILLS and DISTINCTIONS

Certifications: GIAC Certified Incident Handler (Exam Score: 99%)

Programming: Proficient in Java, C++, SQL, Python | Familiar with JavaScript, MATLAB, Lua, R

Tools: Git | React | REST APIs | Oracle DB | Jira | Confluence | Bitbucket | Jenkins | Linux

Methodologies: Object-Oriented Programming | Agile | Scrum | Software Development Life Cycle

Active DoD TS/SCI Clearance