

# Kathleen Tiley

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## EDUCATION

<b>Bachelor of Science in Computer Science</b> , University of Florida, Gainesville, FL (Remote)	May 2023
Projects: <a href="#">MERN Stack Web App</a> , <a href="#">Compiler Model Implementation in Java</a>	GPA: 3.97 / 4.00
<b>Master of Arts in National Security Studies</b> , 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
<b>Bachelor of Arts in Peace and Conflict Studies</b> , Colgate University, Hamilton, NY	May 2014
<i>Thesis: Egyptian Civil-Military Relations and the 2011 Revolution</i>	GPA: 3.91 / 4.00

## EXPERIENCE

<b>Software Engineer Intern</b> , L3Harris Technologies, Herndon, VA / Remote	May 2022 – Present
<ul style="list-style-type: none"><li>Identify and fix errors in image rectification tools used by 100+ company employees to transform satellite images accurately</li><li>Support a 15-person Agile development team creating cutting-edge Modeling, Simulation, and Analysis tools for satellite imagery applications</li><li>Designed a system to orthorectify classified satellite imagery and import images into external software using Lua and Python satisfying senior government customer request</li><li>Briefed system to program team members and thoroughly documented system processes and tools allowing team to easily use and brief the system to the customer</li><li>Independently learned new programming languages, APIs, and mathematical concepts and immediately implemented knowledge to deliver value to the customer</li></ul>	
<b>Community Liaison Officer (CLO)</b> , U.S. Consulate General Amsterdam, The Netherlands	May 2019 – Mar 2020
<ul style="list-style-type: none"><li>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%</li><li>Produced an interactive map in Microsoft Power BI allowing users to quickly visualize U.S. Mission engagement throughout the Netherlands and prioritize engagement targets</li><li>Collaborated with CLO team to manage an annual program of 35 events supporting U.S. Mission community needs</li></ul>	
<b>Desk Officer, Defense Attaché Service (DAS)</b> , Defense Intelligence Agency (DIA), Washington, DC	Jun 2016 – Jan 2019
<ul style="list-style-type: none"><li>Managed the daily operations of the 9-person U.S. Defense Attaché Office (DAO) in Ankara, Turkey in a fast paced and high impact environment</li><li>Designed data-driven processes to assess DAO operations and ensure alignment of DAO resources with analytic production requirements and key U.S. national security priorities</li><li>Identified 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 evaluations</li><li>Selected above more senior peers to evaluate and revise DAS HQ operational policies to ensure effective implementation and applicability to DAO operating environments</li></ul>	

## SKILLS and DISTINCTIONS

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

**Tools:** Git | MERN Stack | Oracle DB | Jira | Confluence | Bitbucket | Linux

**Methodologies:** Object-Oriented Programming | Agile | Scrum

**Languages:** French (Proficient) | Arabic (Beginner) | Spanish (Beginner)

**Active DoD TS/SCI Clearance**