

Rebecca McFadden

rmcfadden@tamu.edu | 703-932-3578 | <https://github.com/rebeccamcfadden>

EDUCATION	TEXAS A&M UNIVERSITY '22 Bachelor of Science in Computer Science, Engineering Honors GPR: 4.0 National Merit Scholar and President's Endowed Scholarship Recipient	
	LOUDOUN VALLEY HIGH SCHOOL '18 Advanced Studies Diploma GPA: 4.26 National Merit Finalist, Senior Leadership Board Member, Color Guard captain	
SKILLS	<ul style="list-style-type: none">• Languages: JavaScript, C++, Python, HTML, CSS, Java• Tools/Platforms: Git, Linux, Docker, Android Studio, Aruba Networks APIs• Cloud Services/Providers: Azure, AWS, GCP, Kubernetes, Kubeflow	
WORK EXPERIENCE	MICROSOFT, AI PLATFORM EXPLORE INTERN	MAY 2019 – AUG 2019
	<ul style="list-style-type: none">• Developed documentation for Kubeflow, a Kubernetes toolkit for containerizing ML models, on Azure• Built sample pipelines using the Azure ML Python SDK for training, registering, and deploying ML models• Delivered a talk about experiencing Kubeflow from a new user standpoint at Google's Kubeflow Doc Sprint• Contributed 4 major pull requests to the public Kubeflow repository, including a front-page redesign	
	TEXAS A&M INTERFACE ECOLOGY LAB, STUDENT RESEARCHER	MAR 2019 – CURRENT
	<ul style="list-style-type: none">• Develop Live Mâché: a collaborative ideation platform, and study how users interact with one another online• Study how users react to different UI and functional features including in-frame video call and live annotation• Implement new features and fixes in HTML, CSS, and JavaScript	
PROJECTS	NATIONAL AIR AND SPACE MUSEUM, EXPLAINER	APR 2017 – MAR 2019
	<ul style="list-style-type: none">• Perform science demonstrations and answer questions about the science behind the artifacts in the museum• Brought the science demonstrations outside the museum with community outreach	
	TAMU-HACK, WEB JOURNALING APP BACK-END LEAD	JAN 2019
	<ul style="list-style-type: none">• Designed and developed a web-based journaling application with live mental health chat• Worked to launch a SQL server on the Google Cloud Platform to store user profiles and journal data• Developed a portion of the front-end HTML and CSS web interface	
LEADERSHIP	AGGIES INVENT, SMART CART APP DEVELOPMENT LEAD	SEPT 2018
	<ul style="list-style-type: none">• Won 3rd place and \$500 for Smart Cart, a smart grocery shopping cart integrated app design• Worked in a team of 5 on a 48-hr app development invention/design challenge by Aruba Networks• Led the app development team to build a working back-end prototype with Android Studio and Aruba APIs	
	GEORGE MASON UNIVERSITY, DUAL-ENROLLMENT RESEARCH PROJECT	AUG 2017 – MAY 2018
	<ul style="list-style-type: none">• Explored undergraduate research and developed an undergraduate research project in high school• Developed a scientific model to analyze, assess and optimize traffic flow through a suburban intersection• Presented a model intersection with 35% increased efficiency in a research symposium to professors at GMU	
	COMPUTER SCIENCE CAPSTONE PROJECT	SEPT 2017 – JUNE 2018
	<ul style="list-style-type: none">• Developed lesson plans to teach algorithmic thinking to approximately 100 students ages 9-11• Used Hour of Code Minecraft labs and lesson plans as inspiration for the outline of the course	
	AGGIE WOMEN IN COMPUTER SCIENCE, MENTORSHIP CHAIR	MAY 2019 – CURRENT
	<ul style="list-style-type: none">• Initiated the Rubies program, a mentorship initiative that pairs underclassmen with upperclassmen• Coordinate social events, meetings, and bonding events• Reach out to early in career women to be corporate mentors and pair them with undergraduates	
	SOCIETY OF WOMEN ENGINEERS, FUNDS COMMITTEE	SEPT 2018 – MAY 2019
	<ul style="list-style-type: none">• Served on the Funds committee for SWELITES, an engineering-based service and networking organization• Raised and managed funds in excess of \$200 and coordinated 4 fundraising events per semester	
	LOUDOUN VALLEY MARCHING VIKINGS, COLOR GUARD CAPTAIN	AUG 2016 – JUNE 2018
	<ul style="list-style-type: none">• Choreographed routine for a 7.5 minute show and run practice• Served as captain during my junior and senior year	