## Mitchell Kain

Brooklyn, New York | (631) 335-1627 | mitchell.kain@gmail.com | linkedin.com/in/mitchell-kain

## **Education**

Education			
Boston University, MS in	n Mechanical Engineering, Dyr	namics Systems and Controls	Jan 2025
		omplex Mechanical Systems, Soft Robotics, namics, Static Analysis, Dynamic Analysis	
• Graduate Course GPA:	3.92 (3.84 all classes)		
Galvanize Inc., Data Scie	ence Boot Camp		Mar 2020 – Jun 2020
USMC Primary Flight Sc	chool, Second Lieutenant: Stud	dent Naval Aviator – Pensacola, FL	Jul 2015 – Dec 2016
•	ership and Aviation training, i gine Systems, Aerodynamics, a	ncluding: Navigation, Communication (UHF/VHF), and Military Operations	
• Live flight training hou	rs in Cesna 172 and T6-Texan	acrobatic aircraft and simulators	
<b>University Of Rochester</b>	, BS in Applied Mathematics		May 2011
Relevant Work Expe	rience		
NASA Langley Research	Center, Aerospace Academy l	Lead Research Associate – Hampton, VA	Jun 2024 – Aug 2024
	2 Mechanical/Electrical/Aero plogies and build prototypes	space Engineers and Physicists	
• Designed Emergency D	rone Recovery and Detection	Systems to advance safety and security goals	
Galvanize Inc., Lead Dat	a Science Resident/Curriculur	n developer – New York, NY	Jun 2020 – Aug 2021
		, SQL, Statistics, Probability, Machine Learning, o-to-date and accessible material was delivered	
	nd Python to 40+ Ph.D., Maste neration of Data Science Profe	er's, Professional, and Veteran Students essionals	
USMC 2nd Marine Aircr	aft Wing, Captain: Supply and	d Logistics Officer – Cherry Point, NC	Dec 2018 – Dec 2019
Supervised all ground s	supply operations for 2nd Mar	ine Aircraft Wing (2nd MAW)	
	•	ained high readiness while mentoring 16 officers e with regulations and standing orders	
<b>USMC Combat Logistics</b>	Battalion 6, First Lieutenant:	Supply Officer – Camp Lejune, NC	Dec 2016 – Dec 2018
	ollars of military equipment annission capable and its equipm	nd controlled a \$2 million dollar budget ent in good repair	
		ogies into Battalion Procedures as eveloping future military procedures	
<b>Selected Projects</b>			
Soft Robotics Competiti	on		Mar 2024 – May 2024
• Designed/built a prima	rily silicone robot to win first	place in an Intercollegiate team competition	
• Custom pneumatic actuturns, ramps, water, san		Robot though an obstacle course consisting of	
<b>LiDAR Based Autonomo</b>	us Hovercraft		Oct 2023 – Dec 2023
		celerometer data with onboard Raspberry Pi using potential-based path planning methods	
• Has future applications	for uneven/amphibious envir	conment security, mapping, or search and rescue	
Skills			
Coding:	Software:	Physical: Misco	ellaneous:

Coding:	Software:	Physical:	Miscellaneous:
MATLAB	SolidWorks	3D Printing	Leadership
Python	OnShape	Rapid Prototyping	Problem Solving/Design
SQL	COMSOL	Soldering	Research
Arduino	Abaqus	Laser Cutting	LaTeX
C/C++	Simulink	Hand/Power Tools	Technical Writing