

EDUCATION

Buffalo, NY	University at Buffalo, The State University of New York	Expected May 2021
<ul style="list-style-type: none">• Major: Bachelor of Science in Computer Science (in major GPA:3.227).• Relevant Coursework: Digital System, Data Structures, Computer Organization, Discrete Structures, Algorithm & Complexity, Theory of Computation, Full-stack Web Application, Artificial Intelligence, Software Engineering, Programming Languages, Computer System Administration.		

EXPERIENCE

Teaching Assistant	University at Buffalo	Dec 2020 – Present
<ul style="list-style-type: none">• Undergraduate Teaching Assistant for CSE 312, Web Applications.• Conduct office hours to assist students with programming. Grade weekly assignments and projects.		
Vice President	AIAA Student Chapter	May 2020 – Present
American Institute of Aeronautics and Astronautics (www.ubaiaa.org)		
<ul style="list-style-type: none">• Increase engagement by developing website for club, created a dashboard to help club members know events and meetings quickly. Devised and implemented google sheets as website database.• Attend AIAA conferences, preside over weekly club meetings, and delegate work in absence of president.		
Coding Coach Intern	The Coder School	Oct 2020 – Dec 2020
<ul style="list-style-type: none">• Guided students in small groups and delivered one to one programming lessons.• Instructed students from a variety of backgrounds and ages learn to code. Students learn an array of various languages, from Block-Based Visual Coding to Python, C++ and web dev.		
IT Student Assistant	University at Buffalo	Oct 2018 – Sep 2020
<ul style="list-style-type: none">• Installed operating systems and software images, refined existing ticketing systems, and improved creation by incorporating Lansweeper.• Maintained and troubleshoot hardware & software problems, prepared workstations based on user needs.		

PROJECTS

Personal Website: www.tamaghan.com		
AMSAR 2.0 	Team acceptance to NASA's 2020 and 2021 Micro-g NExT Design Competition	Oct 2019 – Present
<ul style="list-style-type: none">• Built an autonomous surface vehicle capable of assisting astronauts in distress in a marine time environment, through location and delivery of crew survival aids.• Achieved autonomous driving capabilities by programming Ultrasonic sensors for collision avoidance, TensorFlow for object detection, and software defined radios (SDR) for direction finding.• <u>Utilized:</u> OpenCV, Software defined radios, Python, C++, Shell, TensorFlow, Raspberry pi.		
CollegeHub 	CSE Demo Day Fall 2020 2nd Place	Sep 2020 – Dec 2020
<ul style="list-style-type: none">• Designed a portfolio website service for college students providing different templates and themes to display professional experiences.• Implemented Django framework as a backend and handling live updates client side with AJAX and jQuery.• <u>Utilized:</u> Heroku, Django, JavaScript, HTML, CSS, Bootstrap, GitHub, Zenhub, and Python.		
Vision Assist 	UB Hacking 2019 1st Place	Nov 2019
<ul style="list-style-type: none">• Created a wearable user interface to help people struggling with blindness navigate through environment.• Won UB hackathon 2019 among 80 teams, developed prototype using raspberry pi and computer vision to process camera footage in real-time identifying objects in user's path.• <u>Utilized:</u> OpenCV, Python, TensorFlow, Raspberry pi.		

SKILLS

- **Software:** (*proficient*): C++, Python, HTML, CSS, Git, JavaScript, Java (*familiar*): MIPS, Verilog, Ocaml, Bash.