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TAMAGHAN MAURYA

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EDUCATION

Buffalo, NY	University at Buffalo, The State University of New York	Aug 2017 – May 2021
<ul style="list-style-type: none">• Major: Bachelor of Science in Computer Science.• 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, Operating Systems.		

EXPERIENCE

Vice President	AIAA Student Chapter	May 2020 – May 2021
American Institute of Aeronautics and Astronautics (www.ubaiaa.org)		
<ul style="list-style-type: none">• Increased engagement by 5% by developing website, included dashboard to help club members know events and meetings details on go. Devised and implemented google sheets as website database.• Led AIAA conferences, presided over club meetings, and delegated work in absence of president.		
Teaching Assistant	University at Buffalo	Dec 2020 – May 2021
<ul style="list-style-type: none">• Undergraduate Teaching Assistant for CSE 312, Web Applications.• Conducted office hours to assist students with programming. Graded weekly assignments and projects.		
Coding Coach Intern	The Coder School	Oct 2020 – Dec 2020
<ul style="list-style-type: none">• Mentored students in small groups and delivered one to one programming lessons online and in-person.• Instructed students from a variety of backgrounds and ages to learn code. Students learn an array of various languages, from Block-Based Visual Coding to Python, C++, and web development.		
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 4% by incorporating CI/CD tool Lansweeper.• Maintained and troubleshoot hardware & software problems, prepared workstations based on user needs.		

PROJECTS

Personal Website: www.tamaghan.com		
AMSAR 2.0 Software Lead in NASA's Micro-g NExT Competition		Oct 2019 – June 2021
<ul style="list-style-type: none">• Built an autonomous boat capable of assisting astronauts, 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> Python, C++, Shell, Multi-Threading, OpenCV, Linux, TensorFlow, Raspberry pi.		
CollegeHub CSE Demo Day Fall 2020 2 nd Place		Sep 2020 – Dec 2020
<ul style="list-style-type: none">• Designed a portfolio website service for college students with templates and themes to display professional experiences without needing to code.• Implemented Django framework as a backend and handling live updates client side with AJAX and jQuery.• <u>Utilized:</u> Python, JavaScript, HTML, CSS, Heroku, Django, Bootstrap, GitHub, ZenHub, and PostgreSQL.		
Vision Assist UB Hacking 2019 1 st 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, Ultrasonic Sensors.		

SKILLS

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- **Software:** (*proficient*): C/C++, Python, HTML, CSS, JavaScript, Java, Django (*familiar*): Bash, Docker, SQL
 - **Other:** Microsoft Office, Visual Studio, Linux, GIT, Bootstrap, jQuery, TensorFlow and Scrum management.