Nicholas Ceccarelli

GitHub: github.com/nceccarelli

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Email: njceccar@buffalo.edu	Software Engineer	LinkedIn: linkedin.com/in/nceccarelli
EDUCATION		
University at Buffalo, The State University	ity of New York	Expected Spring 2021
	er Science, Artificial Intelligence Focus	GPA: 3.97/4.00
Bachelor of Arts, Mathematics		W
Lorenzo di Medici International Institute		Winter 2019
Study Abroad Experience in Flo	orence, italy	
WORK EXPERIENCE		
Ox Intel, Inc., Software Engineering Cor	<i>ารนเtant</i> t GUI and data storage system for a data collectio	Spring 2020 – Present
	basics of software development and cloud comp	
CyberMed Research Lab, Undergradua		Winter 2020 - Present
 Utilize a ResNet deep neural netwo Engineer audio files to spectrograr 	ork to give a preliminary respiratory illness diagno	osis
CytoCybernetics Inc., Software Engineer		Fall 2019 - Present
- Design, debug, and test software a	applications used in biological research	
	al equations in Python for both analytical and nur	nerical results Fall 2019 - Present
CSE 220: Systems Programing, <i>Teachir</i> - Teach laboratory and recitation se		Fall 2019 - Flesell
 Host office hours to assist student 		
- Present new ideas for the course in	· · · · · · · · · · · · · · · · · · ·	corebox Coring 0010 Fell 0000
	nbedded Systems Lab, <i>Undergraduate Res</i> .PI to read and display Tweets that fit certain requ	
 Summer 2018 Research Experience 	ce for Undergraduate Students program participa	
- Presented progress at daily standu		0
	evada, Reno, <i>Undergraduate Researcher</i> it genetic algorithms and temporary networks of c	Summer 2019
	al placement of UAV access points for a tempora	
 Articulated the project in an acade 	mic paper which was accepted by the IEEE WOO	CC 2020 conference
TECHNICAL SKILLS		
C++ Java		/GitHub Microsoft Word
C JavaSc	•	nux OS Microsoft Excel
Python HTMI	L MySQL	Bash Microsoft PowerPoint
ACCOMPLISHMENTS		
Engineering Honor Society	Dean's List	AP Scholar with Distinction
Presidential Scholarship	Grace W. Capen Scholar	WNY Scholar Athlete
PROGRAMMING PROJECTS		
On-Campus Event Manager Android Ap		Spring 2020
	gn an application using the Agile design processents, check in, and event creation pages	
	r backend, and MySQL for database	
	ry Network Using an Iterative Genetic Algori	ithm Summer 2019
Performed a literary review in the r Created a system to generate opti	esearch subject area	
- Greated a system to generate opti	mal positioning for droppe to cover a map of uses	ro using a drane awarm
 Used genetic algorithms, mat 	mal positioning for drones to cover a map of user thematical calculations, and the concepts of trans	
 Performed testing and validation a 	thematical calculations, and the concepts of transgainst previously existing solutions	sfer learning
 Performed testing and validation a C-Standard Compliant Memory Allocate 	thematical calculations, and the concepts of trans gainst previously existing solutions or	ofer learning Spring 2019
 Performed testing and validation a C-Standard Compliant Memory Allocate Implemented malloc(), calloc 	thematical calculations, and the concepts of transing gainst previously existing solutions or (), realloc(), and free() for the C programn	sfer learning Spring 2019 ning language
 Performed testing and validation a C-Standard Compliant Memory Allocate Implemented malloc(), calloc 	thematical calculations, and the concepts of transing gainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large allocations.	sfer learning Spring 2019 ning language
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for	thematical calculations, and the concepts of transing gainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large also run single-threaded programs	sfer learning Spring 2019 ning language
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for a - This implementation can be used to	thematical calculations, and the concepts of transing gainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large also run single-threaded programs	sfer learning Spring 2019 ning language llocations
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for - This implementation can be used t LEADERSHIP/CO-CURRICULAR EXP Honors Student Council, Treasurer - Plan social and volunteering event	thematical calculations, and the concepts of transigainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large also run single-threaded programs ERIENCES s for students	Spring 2019 ning language llocations
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for: - This implementation can be used t LEADERSHIP/CO-CURRICULAR EXP Honors Student Council, Treasurer - Plan social and volunteering event - Manage Honors Student Council for	thematical calculations, and the concepts of transingainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large allor run single-threaded programs FERIENCES s for students unds	Spring 2019 Spring 2019 ning language llocations Fall 2019 - Present
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for a - This implementation can be used t LEADERSHIP/CO-CURRICULAR EXP Honors Student Council, Treasurer - Plan social and volunteering event - Manage Honors Student Council for UB Association for Computing Machine	thematical calculations, and the concepts of transigainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large also run single-threaded programs ERIENCES s for students unds ery, Member	Spring 2019 ning language llocations Fall 2019 - Present Spring 2018 - Present
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for: - This implementation can be used t LEADERSHIP/CO-CURRICULAR EXP Honors Student Council, Treasurer - Plan social and volunteering event - Manage Honors Student Council for	thematical calculations, and the concepts of transigainst previously existing solutions or (), realloc(), and free() for the C programn small allocations and a bulk approach for large also run single-threaded programs ERIENCES s for students unds ery, Member	Spring 2019 ning language flocations Fall 2019 - Present
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for a - This implementation can be used t LEADERSHIP/CO-CURRICULAR EXP Honors Student Council, Treasurer - Plan social and volunteering event - Manage Honors Student Council for UB Association for Computing Machine University Heights Tool Library, Volunte Honors Mentoring Program, Mentor - Answer questions about the transit	thematical calculations, and the concepts of transingainst previously existing solutions or (), realloc(), and free() for the C programs small allocations and a bulk approach for large also run single-threaded programs ERIENCES Is for students unds ery, Member er Ition from high school to college and UB	Spring 2019 ning language llocations Fall 2019 - Present Spring 2018 - Present Spring 2018 Fall 2018 - Present
- Performed testing and validation a C-Standard Compliant Memory Allocate - Implemented malloc(), calloc - Utilized a multi-pool approach for calloc - This implementation can be used to the standard Council, Treasurer - Plan social and volunteering event - Manage Honors Student Council for UB Association for Computing Machine University Heights Tool Library, Volunte Honors Mentoring Program, Mentor	thematical calculations, and the concepts of transingainst previously existing solutions or (), realloc(), and free() for the C programs small allocations and a bulk approach for large also run single-threaded programs ERIENCES Is for students unds ery, Member er Ition from high school to college and UB ipant	Spring 2019 ning language llocations Fall 2019 - Present Spring 2018 - Present Spring 2018