

Curriculum Vitae - Suha Hussain

PERSONAL WEBSITE sshussain.me **GITHUB** <https://github.com/suhacker1> **EMAIL** suhashussain1@gmail.com

Research Interest	Artificial Intelligence and Machine Learning Safety and Security	
Education	Queens High School for the Sciences	September 2015 - June 2019
	HIGH SCHOOL DIPLOMA	
	Principal's Honor Roll. Taking all honors or AP courses	
	Google igniteCS Bootcamp at Columbia University	October 2017 - March 2018
	MATHEMATICAL MODELING CERTIFICATE	
	Learned to make use of Python for data analysis and mathematical modeling	
Research Experience	Engineering Research Intern	June 2017 - Present
	NYU CENTER FOR CYBERSECURITY	
	Mentor: Professor Ramesh Karri	
Workshop	Computational Cybersecurity for Compromised Environments Fall 2018 Workshop	September 2018
	POSTER: A NEW METHOD FOR THE EXPLOITATION OF SPEECH RECOGNITION SYSTEMS	
Invited Talks	A New Method for the Exploitation of Speech Recognition Systems	August 2018
	NATIONAL SECURITY AGENCY RESEARCH AND DEVELOPMENT CENTER	
Conferences	HPCA: HPC-based COPPA violations Analyzer [SUBMISSION]	June 2019
	TBD	
	A subset of this project was sent to Regeneron and NYCSEF as "Detecting Privacy Violations in Children's Apps Using HPCs"	
Honors and Awards	NYC Metro Junior Science and Humanities Symposium Third in Computer Science	February 2019
	National Merit Scholar Semifinalist	October 2018
	Intel International Science and Engineering Fair Second Award in Systems Software (ISEF)	May 2018
	Shanghai STEM Cloud Award (ISEF)	May 2018
	National Security Agency Research Directorate Second "Science Security" Award (ISEF)	May 2018
	GoDaddy Data Award (ISEF)	May 2018
	Association for Computing Machinery Fourth Award (ISEF)	May 2018
	New York City Science and Engineering Fair First Award in Computer Science (NYCSEF)	March 2018
	Sarah and Morris Wienthal Award (NYCSEF)	March 2018
	Naval Science Award (NYCSEF)	March 2018
	York College STEM Expo First Award for Sophomore Research	June 2017
	NCWIT Aspirations in Computing: NYC Affiliate Award	March 2017
	York College STEM Expo First Award for Physics	June 2016
Industry Experience	Machine Learning and Hardware Engineering Consultant and Tutor	January 2017 - Present
	FREELANCE	
	Coach and assist startup employees and students in the development of machine learning and hardware solutions, including text analysis software and Raspberry Pi-based WiFi extenders	
	Hardware Engineering Intern	June 2016 - August 2016
	VENGO LABS	
	Assisted in rapid prototyping for product development, notably building a conveyor belt	
	Developed and documented various technical procedures and tools while troubleshooting issues	
Involvement	Founder and Captain	November 2016 - Present
	QHSS ROBOTICS	
	Manage logistics, operations, recruiting, training, fundraising, and technical development for the team	
	Founder and Captain	October 2017 - Present
	QHSS TEAM CYBER & THE DA VINCI EXPERIMENT	

Train members for competitions and facilitated the development of computer engineering skills

Chief Engineering and Technology Officer

October 2015 - Present

QHSS STEMINISM

Enabled 400% growth and designed the operational infrastructure for training members in STEM skills

Chief Senior Trainer (formerly: Junior Trainer)

June 2017 - Present

MATH RESEARCH

Manage the development of research projects and ensure deadlines are met

Member

October 2018 - Present

EFFECTIVE ALTRUISM

Designer

November 2017 - Present

QHSS URBAN SKETCHERS

Press

NYU Tandon Online

June 2018

NEWS ARTICLE

"NYU Center for Cybersecurity Intern Captures Prestigious Intel International Science and Engineering Fair Prize"

Skills

Languages: English, Bengali, Arabic

Technical Languages: C/C++, Python, Assembly, Matlab/Octave, Verilog, BASH

Tools: PyTorch, TensorFlow, Keras, Scikit Learn, Android NDK, Arduino, AutoCAD, CATIA, Eagle PCB

Other: Mathematical Modeling, Writing (Prose, Screenplays, Technical), Public Speaking, Teaching

Affiliations

Association for Computing Machinery

Other Interests

Effective Altruism, Economics, Cognitive Science, Science Fiction, Futurism, Hardware Security

References

Ramesh Karri

NYU TANDON PROFESSOR; CO-FOUNDER AND CO-CHAIR OF NYU CCS

Email: rkarri@nyu.edu

Phone Number: 646.997.3596

Jose Mondestin

QHSS AP STATISTICS AND MATH RESEARCH TEACHER

Email: jmondestin@schools.nyc.gov

Notes

Currently working on a cybersecurity project with Dr. Daniel Clouse of the National Security Agency