Suha Hussain

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

Education	**Queens High School for the Sciences** HIGH SCHOOL DIPLOMA	September 2015 - June 2019

● Principal's Honor Roll. Taking all honors or AP courses

	Google igniteCS Bootcamp at Columbia University MATHEMATICAL MODELING CERTIFICATE	October 2017 - March 2018

Experience	**Engineering Research Intern** NYU CENTER FOR CYBERSECURITY	June 2017 - Present

● Conducting, publishing, and presenting research in machine learning and cybersecurity
● Merits include a poster presentation at the C3E workshop and a DAC submission

	Machine Learning and Hardware Engineering Consultant and Tutor FREELANCE	January 2017 - Present

● Coach and assist with the development of machine learning and hardware solutions

	Hardware Engineering Intern VENGO LABS	June 2016 - August 2016

● 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** QHSS ROBOTICS	November 2016 - Present

● Manage logistics, operations, recruiting, training, fundraising, and technical development

	Founder and Captain QHSS TEAM CYBER & THE DA VINCI EXPERIMENT	October 2017 - Present

● Train members for competitions and foster the development of computer engineering skills

	Chief Engineering and Technology Officer QHSS STEMINISM	October 2015 - Present

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

	Chief Senior Trainer (formerly: Junior Trainer) MATH RESEARCH	June 2017 - Present

● Manage the development of research projects and ensure deadlines are met

	Designer QHSS URBAN SKETCHERS	November 2017 - Present

Recognition	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 Wiesenthal Award (NYCSEF)	March 2018
	Naval Science Award (NYCSEF)	March 2018
	NCWIT Aspirations in Computing: NYC Affiliate Award	March 2017

Skills	Languages: C/C++, Python, Assembly, Matlab/Octave, Verilog, BASH Tools: PyTorch, TensorFlow, Keras, Scikit Learn, Android NDK, Arduino, AutoCAD, CATIA, Eagle PCB