

# Suha Hussain

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

Education	<b>Queens High School for the Sciences</b> HIGH SCHOOL DIPLOMA <ul style="list-style-type: none"><li>Principal's Honor Roll. Taking all honors or AP courses</li></ul>	September 2015 - June 2019
	<b>Google igniteCS Bootcamp at Columbia University</b> MATHEMATICAL MODELING CERTIFICATE	October 2017 - March 2018
Experience	<b>Engineering Research Intern</b> NYU CENTER FOR CYBERSECURITY <ul style="list-style-type: none"><li>Conducting, publishing, and presenting research in machine learning and cybersecurity</li><li>Merits include a poster presentation at the C3E workshop, a DAC submission, and a Tandon article</li></ul>	June 2017 - Present
	<b>Machine Learning and Hardware Engineering Consultant and Tutor</b> FREELANCE <ul style="list-style-type: none"><li>Coach and assist with the development of machine learning and hardware solutions</li></ul>	January 2017 - December 2018
	<b>Hardware Engineering Intern</b> VENGO LABS <ul style="list-style-type: none"><li>Assisted in rapid prototyping for product development, notably building a conveyor belt.</li><li>Developed and documented various technical procedures and tools while troubleshooting issues</li></ul>	June 2016 - August 2016
Involvement	<b>Founder and Captain</b> QHSS ROBOTICS <ul style="list-style-type: none"><li>Manage logistics, operations, recruiting, training, fundraising, and technical development</li></ul>	November 2016 - Present
	<b>Founder and Captain</b> QHSS TEAM CYBER & THE DA VINCI EXPERIMENT <ul style="list-style-type: none"><li>Foster the fusion of art and technology through lesson development and project management</li></ul>	October 2017 - Present
	<b>Chief Engineering and Technology Officer</b> QHSS STEMINISM <ul style="list-style-type: none"><li>Enabled 400% growth and designed the operational infrastructure for training members in STEM skills</li></ul>	October 2015 - Present
	<b>Chief Senior Trainer (formerly: Junior Trainer)</b> MATH RESEARCH <ul style="list-style-type: none"><li>Help develop, champion, and lead a team of 12 researchers that identify and pursue key topics in computer science and mathematics</li></ul>	June 2017 - Present
Recognition	Intel International Science and Engineering Fair Finalist (ISEF)	May 2019
	NYC Science and Engineering Fair First Award in Math & Computer Science (NYCSEF)	March 2019
	National Merit Scholar Finalist	February 2019
	NYC Junior Science and Humanities Symposium Semifinals Third in Computer Science	February 2019
	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
Skills	Naval Science Award (NYCSEF)	March 2018
	NCWIT Aspirations in Computing: NYC Affiliate Award	March 2017
Languages: C/C++, Python, Assembly, Matlab/Octave, Verilog, BASH Tools: PyTorch, TensorFlow, Keras, Scikit Learn, Android NDK, Arduino, AutoCAD, CATIA, Eagle PCB		