

# Suha Hussain

PERSONAL WEBSITE [sshussain.me](http://sshussain.me) GITHUB <https://github.com/suhacker1> EMAIL [suhashussain1@gmail.com](mailto:suhashussain1@gmail.com)

Education	<b>Queens High School for the Sciences</b> HIGH SCHOOL DIPLOMA September 2015 - June 2019 All honors or AP courses. Honor Roll. Approximate Average: 98.
	<b>Google igniteCS Bootcamp at Columbia University</b> MATHEMATICAL MODELING CERTIFICATE October 2017 - March 2018 -Learning to make use of Python for data analysis and mathematical modeling
Experience	<b>Engineering Research Intern</b> NYU CENTER FOR CYBERSECURITY June 2017 - Present -Used machine learning to exploit speech recognition; will present at the C3E workshop under the NSA -Developing a machine learning classifier for COPPA compliance using hardware counter data
	<b>Hardware Engineering Intern</b> 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	<b>Founder and Captain</b> QHSS ROBOTICS November 2016 - Present -Manage logistics, operations, recruiting, training, fundraising, and technical development for the team
	<b>Founder and Captain</b> QHSS TEAM CYBER & THE DA VINCI EXPERIMENT October 2017 - Present -Trained members for competitions and facilitated the development of computer engineering skills
	<b>Chief Engineering and Technology Officer</b> QHSS STEMINISM October 2015 - Present -Enabled 400% growth and designed the operational infrastructure for training members in STEM skills
	<b>Chief Senior Trainer (formerly: Junior Trainer)</b> MATH RESEARCH June 2017 - Present -Manage the development of research projects and ensure deadlines are met
	<b>Designer</b> QHSS URBAN SKETCHERS November 2017 - Present -Developing and discussing various forms of artistic expression
Recognition	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 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
Skills	Languages: C/C++, Python, Assembly, Matlab/Octave, Verilog, BASH Tools: TensorFlow, Keras, Sci-kit Learn, Android NDK, Arduino, ModelSim, AutoCAD, CATIA, Eagle PCB