

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 <ul style="list-style-type: none">Principal's Honor Roll. Approximate Average: 99. Taking all honors or AP courses	September 2015 - June 2019
	Google igniteCS Bootcamp at Columbia University MATHEMATICAL MODELING CERTIFICATE	October 2017 - March 2018
Experience	Engineering Research Intern NYU CENTER FOR CYBERSECURITY <ul style="list-style-type: none">Develop a machine learning classifier for COPPA compliance using hardware counter dataUsed machine learning to exploit speech recognition (C3E Workshop presentation + NSA invited talk)	June 2017 - Present
	Machine Learning and Hardware Engineering Consultant and Tutor FREELANCE <ul style="list-style-type: none">Coach and assist with the development of machine learning and hardware solutions	January 2017 - Present
	Hardware Engineering Intern VENGO LABS <ul style="list-style-type: none">Assisted in rapid prototyping for product development, notably building a conveyor belt.Developed and documented various technical procedures and tools while troubleshooting issues	June 2016 - August 2016
Involvement	Founder and Captain QHSS ROBOTICS <ul style="list-style-type: none">Manage logistics, operations, recruiting, training, fundraising, and technical development	November 2016 - Present
	Founder and Captain QHSS TEAM CYBER & THE DA VINCI EXPERIMENT <ul style="list-style-type: none">Train members for competitions and foster the development of computer engineering skills	October 2017 - Present
	Chief Engineering and Technology Officer QHSS STEMINISM <ul style="list-style-type: none">Enabled 400% growth and designed the operational infrastructure for training members in STEM skills	October 2015 - Present
	Chief Senior Trainer (formerly: Junior Trainer) MATH RESEARCH <ul style="list-style-type: none">Manage the development of research projects and ensure deadlines are met	June 2017 - Present
	Designer QHSS URBAN SKETCHERS	November 2017 - Present
Recognition	National Merit Scholar Semifinalist Intel International Science and Engineering Fair Second Award in Systems Software (ISEF) Shanghai STEM Cloud Award (ISEF) National Security Agency Research Directorate Second "Science Security" Award (ISEF) GoDaddy Data Award (ISEF) Association for Computing Machinery Fourth Award (ISEF) New York City Science and Engineering Fair First Award in Computer Science (NYCSEF) Sarah and Morris Wiesenthal Award (NYCSEF) Naval Science Award (NYCSEF) NCWIT Aspirations in Computing: NYC Affiliate Award	October 2018 May 2018 May 2018 May 2018 May 2018 May 2018 March 2018 March 2018 March 2018 March 2017
Skills	Languages: C/C++, Python, Assembly, Matlab/Octave, Verilog, BASH Tools: TensorFlow, Keras, Scikit Learn, Android NDK, Arduino, ModelSim, AutoCAD, CATIA, Eagle PCB	