

Sharon Lin

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EDUCATION

STUYVESANT HIGH SCHOOL
AP SCHOLAR WITH DISTINCTION,
ARISTA HONOR SOCIETY
2013 - 2017 | GPA: 4.35

COLUMBIA UNIVERSITY
SCIENCE HONORS PROGRAM
2014 - 2017

STANFORD UNIVERSITY
UNIVERSITY-LEVEL MATH/PHYSICS
2014 - 2017

COURSEWORK

COMPUTER SCIENCE

AP Computer Science, Data Structures and Algorithms, Systems Programming, Software Development

PHYSICS

AP Physics C: Mechanics, Electricity & Magnetism, Quantum Mechanics and Relativity, Modern Physics and Nanotech

MATHEMATICS

AP Calculus BC, Linear Algebra, Intro to Modern Analysis, Multivariable Calculus, Complex Calculus

PROGRAMMING SKILLS

Python • C/C++ • \LaTeX • Javascript • Ruby on Rails • Java • Node.js • SQL

Other Skills:

Machine learning • Artificial intelligence • Android development • iOS development

AWARDS

Regeneron STS Semifinalist • Siemens Competition Finalist • Google Science Fair Finalist • Congressional App Challenge Winner • IAAAO Alternate • ISEF Regional Grand Award • TopCoder Open Qualifier • USACO Gold Level • MIT THINK Scholar • CyberPatriot National Finalist • Thiel Fellowship Finalist • NCWIT National Winner • Grace Hopper Scholar

INTERESTS

Digital media, Filmmaking, Digital art, Photography, Virtual reality

EXPERIENCE

QUALITY ASSURANCE INTERN | UNIVERSITY BEYOND

June 2016 - Present | New York, NY

- Implemented website design via CMS, imported sponsorship data into site
- Robust testing of web tool and applications before deployment

VSFS ANDROID DEVELOPER | US DEPARTMENT OF STATE

August 2016 - Present | New York, NY

- Developing P2P application for use by Facebook and Department of State
- Collaborating on interface and back-end with remote developers
- Implementing application for non-profit development among youth

COACH | MAJOR LEAGUE HACKING

January 2017 - Present | New York, NY

- Working alongside university organizers in facilitating hackathons
- Empowering student developers and designers with technical assistance

RESEARCH ASSISTANT | NEW YORK UNIVERSITY

June 2015 - September 2015 | New York, NY

- Worked with graduate students under Prof. Davood Shahrjerdi on fabricating PDMS plastics for use in developing novel thermoelectric generators
- Used BiTe nanoparticles and Python scikit-learn for energy production models

TECHNICAL CONSULTANT | THE PORT ASSOCIATION - CERN

October 2014 - November 2014 | Geneva, CH

- Worked on developing a low-cost infant incubator
- Modeled prototype in SolidWorks, designed circuitry for temp. control
- Collaborated with international researchers via SlideShare

PROJECTS

IVOTE | DCHACKS - CONGRESSIONAL APP CHALLENGE WINNER (2016)

- Used Android Studio
- Developed a mobile application to aid voters in developing informed opinions about political standpoints and candidates

LOTUSVR | MICROSOFT WE HACK TOO - GRAND PRIZE (2016)

- Used Unity, C#
- Virtual reality app for victims of sexual abuse and PTSD

PIANO++ | ANGELHACK MANHATTAN - BEST AMAZON HACK (2015)

- Used AWS, WebRTC, MEAN Stack.
- Web conferencing app Web that connects music players with MIDI supported virtual instruments

PROTECT MY BAG | QUALCOMM #WHY WAIT FINALIST (2015)

- Used Arduino Yun, NFC, Android SDK
- IoT inspired security device protects personal belongings
- Presented at Connect2016, Mashable