

STELLA LI

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in <https://www.linkedin.com/in/stella-li-1106/>

EDUCATION

Aug. 2019 to Current
2023

Johns Hopkins University
B.S. Computer Science and Applied Math
Cumulative GPA 4.00

Aug. 2016 to May 2019
2019

Robert Louis Stevenson School
High School Diploma
Cumulative GPA 3.99

EMPLOYMENT

May 2019 to Aug. 2019

IBM AI-Doctor · Data Analysis Intern
Worked on an AI-Doctor Project to classify diseases by analyzing HER records using ANN; implemented genetic algorithm and SVM using python and optimized accuracy from 84.7% to 99.8%.

Winter 2017 to Winter 2017,
Winter 2018 to Winter 2018

GenMed Biological Technology Co. · Research Assistant
Helped find loci of mutation in lung cancer cells by extracting protein from cancerous and healthy cell lines and conducting qPCR, Western Blot analysis; ran data on MatLab; tested developed drugs on mice.

VOLUNTEERING

July 2017 to Aug. 2017

Service Trip in Youth Education and Engineering · Participant · Urubamba, Peru
Volunteer teacher at local school for English and other subjects; designed the irrigation system for local villages.

Sept. 2017 to May 2019

Volunteer Peer Tutor · Science Department Head · Pebble Beach, CA
Tutored in math, biology, chemistry, physics, Spanish, and Mandarin. Organized monthly peer tutor meetings and coordinated all peer tutors' time slots.

Aug. 2016 to May 2019

Volunteer Club in Youth Education · Club Founder and President · Pebble Beach, CA
Coordinated and participated in volunteering opportunities in my high school's lower campus, the Boys and Girls Club of America, and YMCA. Volunteering projects primarily include after school activities and homework help for kids in pre-K to 12th grade.

Aug. 2016 to May 2019

GreenKey · Stevenson School Admissions Ambassador · Admissions Tour Guide · Pebble Beach, CA
Gave over 40 tours to visiting students and parents; helped organize admissions open house; hosted parent receptions and other admissions events.

ACTIVITIES

Oct. 2019 to Current

Alpha Phi Omega Service Fraternity · Historian

Oct. 2019 to Current

HopHacks at Johns Hopkins · Sponsor Team Member

Sept. 2019 to Current

Actuarial Club · Secretary

Sept. 2016 to May 2019

Stevenson School Math Team · Team Captain

Sept. 2017 to May 2019

Stevenson School Science Club · Club President

Sept. 2017 to May 2019

Science Bowl · Team Captain

AWARDS

May 2019

Cum Laude Society

Apr. 2018

USABO Semifinalist · USA Biolympiad

Oct. 2018

Bausch and Lomb Honorary Science Award · University of Rochester

Mar. 2018

Science Olympiad Regional Third Place · Science Olympiad

May 2018

Robert P. Balles Scholarship in Mathematics · Stevenson School

Feb. 2019

Math Madness National Championship · AreteLabs

Mar. 2018

Mathletics Regional Third Place

PROJECTS

Sept. 2019 to Oct. 2019

English Pronunciation Stress Assignment
Using Python, achieved 70% accuracy for stress assignment and extended to other languages (class project for Computational Cognitive Science)

July 2018 to Aug. 2019

Computational Biology Research on DNA Topology
Conducted research on DNA topology using computational models with KnotPlot, Java, and MatLab; analyzed the transformation rate of DNA molecules inside human genome and derived evolutionary implications; invented new lab apparatus (Separate Gel Electrophoresis); co-author of research paper.

June 2018 to July 2018

AI Prosthetics Research
Conducted research on artificial intelligent prosthetic technology; investigated sensory input designs; learned about EMG and TMR techniques in prosthetic applications.

SKILLS

Computing Languages
Languages

Python, Java, MatLab
English, Mandarin, Spanish