

STELLA LI

CONTACT

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EDUCATION

Johns Hopkins University '23 · Aug. 2019 to Current
B.S. Applied Math & Cognitive Science
Cumulative GPA 4.00, Dean's List Winner

Stanford Online High School · Aug. 2018 to May 2019
Dual Enrollment Program
Cumulative GPA 4.00

Robert Louis Stevenson School '19 · Aug. 2016 to May 2019
Cum Laude Society, High Honors
Cumulative GPA 3.99

SKILLS

Computing Skills: Python, Java, C/C++, MATLAB, HTML, CSS, ReactJS, GIS

Languages: English, Mandarin, Spanish

AWARDS

Citadel Trading Challenge Winner · Citadel Securities
Feb. 2020

USABO Semifinalist · USA Biology Olympiad
April 2018

Division II Champion · Math Madness Int'l Competition
March 2018

ACTIVITIES

Phi Mu Fraternity · Academics Committee Member
Feb. 2020 to Current

HopHacks at Johns Hopkins · Organizer
Oct. 2019 to Current

Omega Psi National Honor Society · Board Member
April 2020 to Current

JHU Actuarial Club · Secretary
Sept. 2019 to Current

VOLUNTEERING

Alpha Phi Omega Service Fraternity · Exec Board
Sep. 2019 to Current · Baltimore, MD

Thai Elephant Rescue Camp · Volunteer
Dec. 2019 to Jan. 2020 · Chiang Mai, Thailand

Youth Education and Engineering Camp · Volunteer
July 2017 to Aug. 2017 · Urubamba, Peru

SUMMARY

Data-driven college student with multiple machine learning project experience in app development, health care, and academic research. Passionate in using big data methods to improve efficiency in broader fields.

EMPLOYMENT

ByteDance Ltd. Speech Recognition AILab

Algorithm Engineering Intern · May 2020 to Aug. 2020
Trained neural networks for text normalization; performed natural language processing tasks such as video sorting.

Johns Hopkins MSE Library

GIS Data Assistant · Jan. 2020 to April 2020
Performed data analysis using GIS software, assisted workshops in R, Python, GIS, and data management.

IBM AI-Doctor

Data Analyst Intern · May 2016 to Aug. 2019
Created python program to calculate the probability of common diseases from HER records; improved classification accuracy from 74% to 99% by proposing a hybrid algorithm that combined the genetic algorithm with SVM.

PROJECTS

Language and Cognition Lab Block Project · JHU

Jan. 2020 to Current
Used machine learning to predict Lego block connections from builder motion sensor signal; investigated assembly sequences to evaluate underlying cognitive processes.

HopHacks Interview Matching Application · JHU

May 2020 to Aug. 2020
Built a web application for club recruitment interview matching with Flask backend and ReactJS frontend; integrated with parent website through AWS.

English Pronunciation Stress Assignment · JHU

Sep. 2019 to Oct. 2019
Evaluated English language stress pattern; achieved 70% accuracy for stress assignment with python and extended to other languages (class project for Computational Cognitive Science)

Computational Bio Research on DNA Topology · UC Davis

July 2018 to Aug. 2018
Simulated DNA knotting transitions after DNA replication using KnowPlot and MatLab; quantified the relationship between initial knot type and recombination probability.

AI Prosthetics Research Project · JHU

June 2018 to July 2018
Conducted interdisciplinary research on artificial intelligent prosthetic technology and sensory input designs; analyzed potential effects of human power augmentation on the music industry.

REFERENCE

Available upon request.