Alice Liu

Profile

A passion for leveraging today's cutting-edge technologies for current problems and applications in a variety of different industries. Seeking opportunities in an environment where I can grow, learn and leverage my curiosity, skills, and knowledge.

Work Experience

The Knowledge Society (TKS) — *Innovator*

SEPTEMBER 2019 - PRESENT | Boston, MA

I am a researcher and developer at *The Knowledge Society*, an accelerator program for ambitious high-schoolers interested in today's cutting-edge technology and science.

- Developed numerous quantum machine learning projects for applications in the healthcare and financial industries. These include creating qSVM's for binary classification of breast cancer cells, performing credit risk analysis with the QAE algorithm, using quantum annealing and turn ancilla encoding for solving the protein folding problem on a 2D lattice.
- Spoke about my work in a variety of different events and conferences, including Boston Inno, TD Tech Connect and the TD Tech Camp
- Attended multiple tech-related conferences and hackathons including IBM's Quantum Computing Hackathon, Radcliffe Institute Gene Editing, MIT Neurotech, and the World Summit AI Conference

Anaxa — C*ofounder*

APRIL 2020 - PRESENT | Boston, MA

Co-founded a moonshot company, Anaxa, that uses quantum IoT devices and network infrastructure for more secure and efficient communication. Currently enrolled in the DMZ Basecamp Accelerator Program and in the ideation process with prototyping.

Apollo Neuroscience — Machine Learning Intern

JUNE 2020 - PRESENT | Boston, MA

Performed data modeling and unsupervised machine learning methods for analysis in HRV and sleep quality patterns within neuroscientists based on

Info

Phone
(203) 873-8045

Email
aliceliu2004@gmail.com

Linkedin
linkedin.com/in/alice-liu-16ba6818b/

Website
alicelliu.com

Education

Boston Latin School (2018-2022)
Student with 4.0 GPA, also taking additional science classes online

Computational and Systems Biology - MIT OCW
Protein Folding and Human Disease - MIT OCW
Genomic Data Science - Coursera
Principles of Biochemistry - edX

Skills

Technical
Python
Qiskit
HTML/CSS
Experimental Design
Google Suite
Office Products

Professional
Eager Learner
Flexible Team Player
Active Listener

results from the Apollo wearable and Biostrap data.

AloeVR — Researcher

JUNE 2020 - PRESENT | Boston, MA

Researched the different processes and methods to use when developing VR programs with mindfulness strategies within the classroom for startup, AloeVR. Also researched into the curriculum and lessons for the programs.

Kidogo — *Consultant*

MARCH 2020 - APRIL 2020 | Boston, MA

I consulted for Kidogo, a social enterprise based in Nairobi Kenya that provides early childhood education to local low-income communities. My team and I worked on increasing the income for the caregivers, specifically with a fundraising pledge and aeroponics.

Techstars — *Consultant*

NOVEMBER 2019- DECEMBER 2019 | BOSTON, MA

I consulted for Techstars Boston, a mentorship-driven startup accelerator program based in 100 countries and helping over 1600 companies. My team and I pitched to Techstars a recommendation on increasing the inbound of mentors with a matching algorithm, recruitment chatbot and communication platform.

Achievements/Accomplishments

2020 - 2nd Place in Anatomy and Physiology at the Massachusetts Science Olympiad Tournament

2020- 2nd Place Massachusetts DECA States Competition; Internationals Contestant

2020 - Future Business Leaders of America (FBLA) Nationals Contestant

2019 - 3rd Place Team Massachusetts Mathematics League State Competition

2018, 2017 - Nomination in Broadcom MASTERS International Science and Engineering Competition; 2nd Place in Boston Science and Technology Fair

Critical Thinker

Writing
Articles with 10k+ views; featured on DataSeries Publication

Languages
Conversational Chinese; studied French; studied Latin

Interests

Quantum Computing
VR/AR
Artificial Intelligence
Drug Development
Gene Editing
Business Development
UX/UI Design