

CONNIE SIU

DATA SCIENTIST

CONNIESIU.ME
CSIU22@MIT.EDU
8 1 7 - 6 0 0 - 4 6 6 1

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CLASS OF 2017

B.S. Computer Science

COURSEWORK

COMPUTATION STRUCTURES

SOFTWARE STUDIO

SOFTWARE CONSTRUCTION

ARTIFICIAL INTELLIGENCE

DESIGN/ANALYSIS OF ALGORITHMS

UI/UX

MATH FOR COMPUTER SCIENCE

EXPERIENCE

MIT MEDIA LAB - CHANGING PLACES GROUP

UNDERGRADUATE RESEARCHER

BOSTON - MA

SEPT. 2015 - PRESENT

Python

Implemented machine learning techniques to perform data analysis and to create models and visualizations of Andorra's tourism, commerce, and transportation /
Created a system that displays real-time data about bicyclists to promote more bicycling for healthier and environmental-friendly lifestyles /

AREA 1 SECURITY

SOFTWARE ENGINEERING INTERN

SF - CA

JUNE 2015 - AUG. 2015

Python

Patent pending /
Extracted data and applied machine learning algorithms and data mining concepts to detect malicious phishing pages with 90% accuracy /
Transformed and loaded results into a PostgreSQL database for easy querying /

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

RESEARCH ASSISTANT

CLEARWATER BAY - HONG KONG

JUNE 2014 - AUG. 2014

Formulated a sterile solution that effectively inhibits bacteria growth (such as staph aureus) on surfaces in the hospital for several days /
Found the optimal ratio of carvacrol and thymol to ethanol by performing minimal inhibitory tests and bactericidal tests /

MD ANDERSON CANCER CENTER

RESEARCH ASSISTANT

HOUSTON - TX

JUNE 2013 - AUG. 2013

Used computational techniques to create selective p38B inhibitors for cancer cachexia treatment /
Discovered that a benzene group and a chlorobenzene group in the hydrophobic pockets are needed /

ACTIVITIES

MIT ASIAN DANCE TEAM

SEPT. 2013 - PRESENT

DIRECTOR OF LOGISTICS

Led showcase preparations and logistics /
Set up and operated lighting /
Worked with AV technicians and backstage managers /

MIT ASIAN CHRISTIAN FELLOWSHIP

SEPT. 2013 - PRESENT

SECRETARY

Organized files and records /
Took notes during meetings /
Handled room reservations for events /

AV TECHNICIAN

Managed and operated sound equipment /

MIT RESIDENCE HALL

JAN. 2015 - PRESENT

DESK WORKER

Worked with security by checking in visitors /
Recorded and organized letters and packages /
Managed residence facility keys and equipment /

MIT SOCIETY OF WOMEN ENGINEERS

SEPT. 2013 - PRESENT

PARTICIPANT

Learned about professional development and networking /

MIT TALENT SHOWS & CULTURAL SHOWS

APRIL, NOV. 2014

AV TECHNICIAN

Set up and operated sound equipment /

SKILLS

TECH STACK

PYTHON

JAVA

HTML/CSS/JAVASCRIPT

POSTGRESQL

NODE.JS/EXPRESSJS/ANGULARJS

RUBY ON RAILS

LEARNING: JQUERY, D3.JS, PROCESSING

TOOLS

SKETCH