

# CONNIE SIU

DATA SCIENTIST

CONNIESIU.ME  
CSIU22@MIT.EDU  
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## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CLASS OF 2017

B.S. Computer Science

### COURSEWORK

COMPUTATION STRUCTURES

SOFTWARE STUDIO

SOFTWARE CONSTRUCTION

ARTIFICIAL INTELLIGENCE

ALGORITHMS

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

POSTGRESQL

JAVASCRIPT

RUBY ON RAILS

LEARNING: JQUERY, MATLAB, D3.JS

### TOOLS

SKETCH