

# 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 CONSTRUCTION

DESIGN/ANALYSIS OF ALGORITHMS

NATURAL LANGUAGE PROCESSING

SOFTWARE STUDIO

ARTIFICIAL INTELLIGENCE

UI/UX

DATABASE SYSTEMS

## EXPERIENCE

KAYAK

DATA ENGINEERING INTERN

CAMBRIDGE - MA

JUNE. 2015 - PRESENT

Java

Imported 662K properties to KAYAK's hotel listings /  
Extracted and parsed XML/JSON data feeds given by hotel providers /  
Transformed, cleaned, and loaded hotel records in preparation for matching and merging with existing records /  
Generated better error messages in hotel parser metrics summary for more efficient debugging /

MIT MEDIA LAB - CHANGING PLACES GROUP

UNDERGRADUATE RESEARCHER

CAMBRIDGE - MA

SEPT. 2015 - MAY 2015

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

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 /

## 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