

# ELLIOT TAN

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**Seeking Data Science & Web Development opportunities in Chicago.**

## EDUCATION

Illinois Institute of  
Technology  
Chicago, IL

B.S Computer Science  
M.S Data Science

*Expected graduation:*  
May 2022

*Current GPA:*  
3.928/4.0

## PORTFOLIO WEBSITE

Elliottaniit.github.io

## PROGRAMMING & DATA SKILLS

Python  
SQL  
R  
Tensorflow  
Keras  
Tableau

C  
Java  
Ocaml  
HTML  
CSS  
Javascript

## LANGUAGES

English  
Mandarin

## INTERESTS

Music  
Food  
Travelling

## WORK EXPERIENCE

### SEO AND UX SPECIALIST INTERN *Science International, Singapore*

MAY 2021 - CURRENT

- Developed a guide for web developers to follow to improve website search engine optimization and user experience for both pc and mobile applications.

### SOFTWARE DEVELOPER INTERN *Metropolitan Wireless International, Singapore*

APRIL 2018 - JUNE 2018

- Used Java to develop and implement document scanning software using optical character recognition (OCR).
- Developed and tested forms using OCR for to improve data transfer from company's farmers to administration.

## PROJECTS

### HATE SPEECH CLASSIFICATION RESEARCH ANALYSIS

- Used Python, Support Vector Machines (SVM), Bidirectional Encoder Representations from Transformers (BERT), and (Generative Pretrained Transformer 2) GPT-2 to evaluate the effectiveness of text-generated hate speech on hate speech classification models.

### FLIGHT BOOKING APPLICATION

- Designed ER models and developed front and back end application using Java.
- Implemented SQL queries to reflect user events as database updates.

### TIMESERIES DATABASE RESEARCH EVALUATION

- Compared the functional capabilities between InfluxDB and TimeScaleDB.
- Used Timeseries Benchmark Suite to evaluate the computational capabilities of the time series databases.
- Determined the effectiveness of each time series database in various situations.

### VARIOUS WEB DEVELOPMENT PROJECTS

- Personal Portfolio Website: Elliottaniit.github.io
- CRU IIT Website: <https://mypages.iit.edu/~campuscru/>

## LEADERSHIP EXPERIENCE

### COMPANY QUARTERMASTER SERGEANT *Singapore Military, BMTC School 2, N Coy*

OCTOBER 2015 - OCTOBER 2017

- Lead a team of 4 – 6 military personnel in the company's logistics department.
- Managed the preparation, transportation, and collection of over 1000 company items during field trainings and other company activities
- Awarded the Commanding Officer Coin (Commander's Coin) for excellent service.

### STUDENT ORG LEADER *Illinois Institute of Technology,*

OCTOBER 2018 - CURRENT

- Planned organization wide events with other Leaders.
- Coordinated group activities for students to maintain community despite Covid.
- Facilitated group discussions with 6 – 8 group members.