

# 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

Graduate GPA:  
3.9/4.0

Undergrad 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  
MS Excel  
MS Project

### LANGUAGES

English  
Mandarin

### INTERESTS

Music  
Food  
Travelling

### WORK EXPERIENCE

#### DATA SCIENTIST *CCC, Chicago, IL*

JAN 2022 - CURRENT

- Creating a model to accurately predict the price of 2<sup>nd</sup> hand cars given 26 column variables.

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

MAY 2021 - JULY 2021

- 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

- Implemented document scanning software using optical character recognition in Java.
- Developed forms using OCR for to improve data transfer from company's supply 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.

#### PERSONAL DATA SCIENCE PROJECTS

- Neural Network Model for titanic data set: <https://www.kaggle.com/elliottan/titanic-notebook-1>
- Job Description Scraper: <https://github.com/ElliottTanIIT/job-scraper-project>

#### WEB DEVELOPMENT PROJECTS

- Personal Portfolio Website: Elliottaniit.github.io

#### 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.

### 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.
- 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.