

Tony Xia

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Education

University of California, Los Angeles

B.S., Computer Science


June 2023

Stanford University, Stanford

Summer College Courses

CS 106B Programming Abstraction

CS 193C Client-side Web Technology

August 2018

Relevant Experience

Snorpheus – Automatic Chord Analyzer | StarterHack 2019


January 2019

Utilizing recurrent neural network developed a Chord Analyzer given an audio file using Tensorflow

Integrated the software in a web page for ease of access

Image Recognition Project | Waterloo Collegiate Institute

May—June 2019

Developed with a team a machine learning program to recognize constellations

Utilized Python TensorFlow to create a ConvNet for image classifications

Super Slime Rumble | Waterloo Collegiate Institute

June 2018

Developed an intense 2-player platformer shooting game using python 3

Experienced the full software development cycle

AP Scores Analysis Project | Waterloo Collegiate Institute

May 2018

Discovered the trends of the change of AP score distribution

Using Microsoft Excel, organized 10 years of AP exam data

Analyzed the score distribution of 17 AP exams in the past 10 years

Leader of Math Club | Waterloo Collegiate Institute

July 2017—May 2019

Taught contest mathematics techniques to interested students

Scored in the top 5% in multiple national math contests

Organized events to show members the applications of math outside the curriculum

Computer Science Club | Waterloo Collegiate Institute

January—May 2019

Learned over 10 different computer algorithms and data structures in spare time

Scored in the top 25 % of the Senior Division of the Canadian Computing Contest

Technical Skills

- Proficient in Python, C++, Java, JS, HTML, CSS
- Proficient in Microsoft Office Suite
- Worked with Git, GitHub, Octave, MATLAB
- Beginner Vue, Express, TensorFlow

