

Winston Gan

Winstongan@uchicago.edu | 202-819-9468 | linkedin.com/in/winston-gan/

EDUCATION

The University of Chicago

Bachelor of Arts in Computer Science and Bachelor of Arts in Economics

Chicago, IL

Expected, June 2027

Thomas Jefferson High School for Science and Technology

GPA: 4.512/4.0

Alexandria, VA

September 2019 – June 2023

- *Relevant Courses:* AP CS, Artificial Intelligence, AP Physics C, AP Calculus BC, Multivariable Calculus, Linear Algebra, AP Statistics etc.

EXPERIENCE

Fairfax Collegiate

Instructor

Tysons, VA

July 2023 – August 2023

- Taught Python, Java, Aerospace Engineering, and Algebra classes to students from 5th-10th grade

NSF Spatiotemporal Innovation Center

Data Analyst and Software Engineering Intern

Fairfax, VA

June 2022 – August 2022

- Created multiple machine learning models(DNN, KNN, Random Forrest) to predict PM2.5 concentration (pollutant) with multiple environmental variables
- Automated preprocessing daily air quality datasets in the 2010s decade

AgriVision

Cofounder

Mclean, VA

June 2021 – Present

- Designed an autonomous robot which utilizes machine learning to detect and diagnose crop disease with hyperspectral imaging

Brigham and Women's Hospital

Research and Software Engineering Intern

Remote, MA

June 2021 – December 2022

- Made a larger dataset of x-ray brain images for tumor detection using HTML and Python
- Trained a Generative Adversarial Network to simulate blood brain vessels for cerebrovascular diseases

MIT Beaver Works Summer Intern

Intern

Remote, MA

June 2021 – December 2022

- Learned and implemented computer vision and voice recognition into a drone incorporating PID controllers

AWARDS & ACTIVITIES

Conscious Capital

Developer

Tysons, VA

February 2023 – March 2023

- Created a website that takes user values and recommends them a stock portfolio with S&P500 companies
- Won "Best Web Hack" in HackTJ 10.0

AgriVision

Cofounder

Tysons, VA

June 2021 – Present

- George Olah Foundation Grant, Diamond Challenge DSWA Environmental Award, Global Youth Entrepreneurship Challenge International Grand Prize, Conrad Challenge Finalist Top 50

Maroon Capital

Analyst

Chicago, IL

October 2023 – Present

- Professional quantitative finance-based organization at the University of Chicago
- Currently learning about financial accounting, trading, asset classes, and statistics.

SKILLS & INTERESTS

- *Programming Languages:* Python, Java, Data structures, C++, JavaScript, HTML, CSS, Windows, Linux, Computer Vision, MATLAB, R, SQL
- *Python Packages:* Pandas, SkLearn, LinearModels, TensorFlow, NumPy, Matplotlib, Keras
- *Interests:* Making music, Soccer, Basketball, Skateboarding