

KHAN DOMINIC HOANG

Denton, TX

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EDUCATION

University of North Texas — Texas Academy of Mathematics and Science

Denton, 2022 - Present

- 4.0 GPA
- CS 1030 (Computer Science 1)
- MATH 1710 (Calculus 1)

The Highlands School

Irving, 2020-2022

- 4.0 GPA

EXPERIENCE

Dr. Guo Research Laboratory

UNT, 2022, September - Present

- Worked on data visualization of mass spectrometer data under PhD student Ebrahimi Shiva
- Created a program that scrapes data from mass spectrum information

Dr. Yuan Research Laboratory

UNT, 2022, February - Present

- Worked on the task of video alignment under PhD student Siyuan Liu

Alzheimer's Disease Binary Classification Project

- Created a Convolutional Neural Network that classifies via MRI imaging Alzheimer's with a 97.9% accuracy
- Introduced me to many utilities and concepts in AI/Machine Learning

Technical Skills

- C++, C, Python, Java, Lua
- Libraries (Numpy, Pandas, and Matplotlib)
- Knowledge of Machine Learning Topics (Regression, Naive Bayes, Regularization, etc)

EXTRACURRICULAR

Artificial Intelligence Society Director of Outreach

2023, Present

Volleyball Intramurals, High School

2022, March - Present

- Won Intramural Champions in Volleyball at UNT
- Coach and Player TAMS high school volleyball

Aid The Cause Charity Event

- Planned fundraising events, raised \$16k for children's hospital
- Organized several dances: traditional Chinese Lion and Dance, musical, and dance choreography

Neurology Shadowing

2022, December - 2023, January

- Worked with Dr. Tseung and learned about Neurology

AWARDS AND HONORS

Distributive Education Clubs of America (DECA) State Competition

- 2nd Place Financial Statement Analysis

- Qualified for DECA International Career Development Conference (ICDC)

Science Olympiad Mock Competition Seven Lakes High School

2022, December

- 5th place in Dynamic Planet Event

VOLUNTEERING

TAMS Jets - SciDemos

2022, September - Present

- Demonstrating various science experiments to elementary school students and teaching the mechanisms behind them

TAMS Ambassadors - Preview Day

- Show prospect TAMS students around UNT and explain what TAMS is all about