

Peter Kim

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9307 Ashton Ridge, Austin, TX

peterkim123.github.io

Education

Westwood High School, 12400 Mellow Meadow Dr, Austin, TX 78750

Class of 2024

- GPA: Weighted/Unweighted - 4.0/5.7605
- SAT: 1580 (780 Evidence-Based Reading and Writing, 800 Math)
- Notable Courses Taking/Taken: Multivariable Calculus, AP Computer Science A, AP Physics 1, AP Physics C Mechanics, AP Physics C Electricity & Magnetism, AP Statistics, AP Calculus BC, IB Computer Science 1 HL, IB Economics (Macro & Microeconomics), AP Chemistry, AP Spanish Language & Culture

Skills

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- Microsoft Office Certified
 - Code in Python
 - Code in C++
 - Code in C
 - Code in Java
 - Website Development (HTML, CSS)
 - Quantitative Analysis and Frontend (R, RShiny)
 - Cyberpatriots Tech Caregiver Certified
 - Unity Game Development

Languages

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- Fluent in Korean
 - Fluent in English
 - Fluent in Spanish
 - Limited working proficiency in Chinese

Experience

Non-Profit Organization:

Unison Music

Founder, Executive Director

2020 - Present

- A non-profit dedicated to paving the musical journeys of the underserved youth in Texas.
- Performed at a variety of venues around the state to donate to beneficial causes such as Camp Camp (camp for the disabled), Dell Children's Hospital (funded musical equipment for patients), funded a Texas-Oklahoma regional conference for political advocacy (50 advocates across multiple states) and subsidized the temporary residence for low-income advocates.
- Created an educational program providing free lessons to children through online and in-person classes by matching high school musicians and underserved students.
- Created a music education program at the University of Texas Elementary School for marginalized students in Austin seeking asylum, escaping domestic violence.
 - Program taught by UT Austin grad and undergrad students.
- Raised approx. 10,000 dollars in totality.
 - Partnered with local businesses and chains (HMart, senior care centers)
- Served more than 500 hours (~560) as an individual and compiled more than 900 hours across all members (30+ members).

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- Managed relationships with venue directors, networked with other nonprofits for collaborations, created websites, arranged music for performers, organized many rehearsals for students.
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Social Justice and Community Leadership

RESULTS

Volunteer, Youth Fellow/speaker, Representative Point person, Global Chapter Leader

2020 - Present

- Youngest fellow in RESULTS (reserved for members above 20 years of age),
 - Organized, hosted, and led meetings with congressmen in online meetings and in-person meetings at Washington D.C.
 - Met with the offices of Ted Cruz, Lloyd Doggett, John Carter, Michael McCaul, Pete Sessions, Marc Veasey, Roger Williams, Chip Roy, and Greg Casar to advocate for the Child Tax Credit, Replenishment of the Global Fund to end TB, AIDS, and Malaria, End TB Now Act, UN High level meeting topics, and the Global Nutrition Treatment Act, and the READ Act.
 - Developed and nurtured multiple relationships with congressional offices.
 - Meetings with representatives in 2022 led to the passage of the 7th replenishment of the Global Fund to Fight AIDS, Tuberculosis, and Malaria (15 billion dollars in funding to the organization).
 - Organized the Texas-Oklahoma Regional Conference (nearly 50 advocates across the region) and subsidized 6 members' hotel stays through funding raised with Unison Music.
 - Pediatric Tuberculosis doctors, housing activists, and social justice authors were highlighted guests in the event.
 - Published three letters to the editor in the Austin American Statesman (largest newspaper in Austin) regarding the rise of social media techniques in tuberculosis advocacy, the need for vaccination narratives, and in support for the Global Fund to Fight AIDS, TB, and Malaria.
 - [On the fight to end TB](#)
 - [To help protect our children](#)
 - [US TB Targets](#)
 - Created a mobile app development team within RESULTS employee groups aiming to be released next spring for international advocacy networking and on-the-go advocacy features.
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Ventures

moplusbo.com

Founder/CEO

2023 - Present

- Founded a digitally marketed fashion brand through TikTok, Instagram, and Pinterest
- Generating ~\$500 in monthly revenue from customers around the world (UAE, Florida, Europe)
- Generated over 400k views on TikTok and around 1 million views on all social media platforms.
- Created an artist fund to donate all profits to digital content creators.

optictune.com

Founder/CEO

2023 - Present

- Founded a mechanical exercise product for people with lazy eyes
 - Built with worm gears, simple motors, and replaceable parts.
- Partnering with The Optometry Center for Vision Therapy and Balcones Eye Care Center to launch the product. (Upcoming on Nov. 11)
- Developing Tobii-backed eye-tracking software to produce alerts for patients with amblyopia.

Music

[Austin Youth Orchestra](#)

Concertmaster

2021 - Present

- Leader of the Austin Youth orchestra (nonprofit)
 - Worked with Maestro Peter Bay of the Austin Symphony, maestro Farkhad Khudiyev of the UT Austin Symphony, and Mr. William Dick to lead the development of hundreds of musicians all over Austin through rehearsal, sectionals, and concerts.
 - Invited to the prestigious Aspen Music Festival by Maestro Peter Bay

[TMEA All-State Orchestra](#)

Assistant Concertmaster

2021 - Present

- No. 2 violinist in the state of Texas out of thousands of high school musicians
- 3-year All-Stater

Westwood High School Orchestra

Concertmaster

2020 - Present

- First chair and leader of no.1 ranked high school orchestra in the state of Texas
- Lead consultant to director for orchestral development

Research

Financial Quantitative Analysis

2021-Present

[Portfolio Optimization App](#)

- Worked with Professor Aaron Kim from Stony Brook University to create a web app that optimizes a stock portfolio utilizing the normal inverse gaussian method of probability distributions

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- Authoring a paper disproving the outdated Black Scholes Formula for options pricing models and substantiating the use of the Monte Carlo Simulation with a Variance Gamma Distribution parameter instead of the historically used Normal Distribution parameter.
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Clubs/Activities

DECA

Member, Finance Officer Representative (10th grade) 2020 - present

- 3-time State Qualifier, 2-time State finalist, 1-time international conference qualifier
- Received top-scorer award at internationals: top 5% of test-takers in the world, top 22 role plays internationally.
- Planned impromptu business marketing plans
- Finance Officer Representative (2021-2022)
 - Organized and marketed Chipotle fundraiser profit share (~\$500 in earnings)
 - Managed all member funds and dues (>300 chapter members)

CyberPatriots

Founder/Team Captain 2020 - present

- Led group of 6 high schoolers through 6 hour cybersecurity competitions
 - Led team to Gold Tier Division Nationally 3 years in a row (top 25% of nation)
 - Organized training, registration, and competition environments
 - Received cyberpatriots certification in tech care-giving and used it to hold a conference at a local Korean organization to teach seniors cybersecurity and troubleshoot individual issues.
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Employment

Travis County

Intern 2021-2021

- Researched and presented solutions to gun violence in Austin through statistical analysis
- Worked with a team of 4 and led presentations and assignments to program directors.

Musetown Influencer Marketing (Startup)

Lead Product Development Intern 2021-2022

- Developed and researched search engine algorithms to help optimize brand awareness for 50+ individual clients (youtubers, instagram influencers, tiktokers).
- Gave weekly reports and presentations to the CEO
- One of four interns selected nationally through interview processes.

CodeNinjas

Sensei 2022-2022

- Worked 4 hours a day, tutoring elementary and middle schoolers following an interactive coding tutorial incorporating popular games such as minecraft and roblox
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Summer programs

- Wharton Global Youth Program
 - Data Science Academy** 2022
 - Learned statistical analysis and computer science under Professor Linda Zhao of the Wharton School.
 - Used machine learning, neural networks, and regression analysis to research and present the statistical relationship between education levels and respective county socioeconomic success.
 - Product Design Academy** 2023
 - Learned entrepreneurship, product development and design under Professor Taylor Caputo of the University of Pennsylvania
 - Founded and led company: Chromagrade - a product heading the way for youth, budget filmmakers through an iphone extension
 - Used 3D-modeling, laser cutting, and 3D printing to develop products and presented at the final symposium.
 - Placed 2nd out of 40 original ideas - valued at \$6.7 million dollars
- Brown Pre-College Program (online) 2021
 - Learned basics of statistical analysis and Rstudio

STEM-Based Olympiads

- 1-time AIME Qualifier (top 2.5% of scorers nationwide on the AMC 10 exam)
- 3-time CyberPatriots National Gold Division Qualifier (top 25% of teams in the nation)
- UIL Calculator Applications Regional Qualifier, District Champion (1st out of 41)

Other Awards and Honors

- Wednesday Morning Music Club Wilcox Award -second place winner (2x): \$3850 in grants (donated to music education programs)
- National Spanish Exam Gold Medal Winner (top 1% of scorers nationwide)
- TSSEC Outstanding Performance Award - top 1% of classical music performers statewide
- DECA ICDC Qualifier, top tester (top 5% of marketing test takers in the world), top 22 role plays in the world
- AP Scholar with Distinction - average of at least 3.5 on all ap exams
- Texas Music Teachers Association Violin performance Champion (#1 violin performer in the state)
- Federation of Korean Associations Next Generation Leader Award (\$300 grant)
- Asian American Young Musician's Festival First place Winner (Violin)
- Presidential Volunteer Service Award - Gold (10, 11, 12) (Unison Music Organization)