

EXPERIENCE

Internships

July 2024 – Current: [Climate Action Advisory Committee](#) (CAAC)

- Collaborating with CAAC members, Winchester Transfer Station, and student council to initiate food waste recycling program at Winchester High School ([Proposal](#), [Documentation](#))
 - Approved by Principal on Dec. 16, 2024. To be implemented in Feb. 2025

Mar – Oct 2024: [Department of Earth, Atmospheric & Planetary Sciences](#) (MIT)

- Fine-tuning cutting-edge climate-domain large language models (Advisor: Dr. Björn Lütjens)
- Learned how to use virtual environments and MIT's supercomputer
- Open-source [dataset](#) (~200 downloads), [fine-tuned model](#) (~100 downloads), [Documentation](#), [Github](#)

Feb – Dec 2023: [Virtual](#) (Indiana University–Purdue University Indianapolis, IUPUI)

- J. Choi and H. Jang, "Topic and Sentiment Analysis of Reddit's Vaping-Cessation Community," 2023 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Istanbul, Türkiye, 2023
 - [Manuscript](#), [Poster](#), [Documentation](#), [Github](#)

Extracurricular Activities

Spring 2022 – Present: [Badminton Team Founder and Coach](#)

- 2024-2025: Reserved elementary school gym to hold twice-weekly training
- 2023-2024: 1st place at Massbad High School Team Tournament
 - Twice-weekly training before school + free blocks
 - Organizing state badminton league with 8 local high schools
- 2022-2023: Recruited team to enter Massbad High School Team Tournament (Div. 2)
 - Organized bake sale and sold club merch to fund team (\$290-350 profit yearly)
 - Started training sessions during free blocks
 - Team: 4th out of 5 schools, Personal statistics: 2nd out of 57 players

Fall 2023 – Present: [Secretary of Combat Robotics Club](#)

- Vertical spinner robot – "Cheeze Grater" ([Documentation](#), [3D Cad Model](#))
- Currently leading a 2nd team to build a "lifter" robot ([Documentation](#))
- Competed in [NHRL](#)'s 3 lbs robot division in September 2024
 - Won 2/4 prelim matches and advanced to single-elimination brackets (33rd out of 96 teams)

Fall 2021 – Present: [American Computer Science League \(ACSL\)](#) Team Leader

- Recruited team, taught contest material, and offered 1 on 1 help sessions

Personal Project

March - June 2022: [Badminton Shuttle Launcher](#) ([YouTube Link](#))

- Researched how electrical components work / how to program with the Arduino
 - [Tinkercad Circuit Design/Code](#)

Programs & Competitions

7/22/24 – 8/10/24: [SEA Pre-College: Ocean Sciences in Woods Hole](#) – selected

- Exposure to ocean science and environmental issues through guest lectures and lab visits
- Helped 5 groups extract and analyze "Argo" ocean data with Python

3/2/24 – 3/3/24: [MIT Blueprint](#) (Hackathon) – selected

- Recruited team and led discussions to build "MealGPT" website, which queries the user's food preference to ChatGPT to give a detailed meal plan with cooking instructions ([Github](#))

[American Computer Science League \(2021-2025\)](#)

- Yearly finalist

[Badminton Tournaments](#)

- 2024 Massbad High School Team Tournament
- 2024 Northeast Massbad Open Local Championships

- Bay State Games 2023
- 2023 Massbad High School Team Tournament
- 2023 Newton Parks and Recreation Badminton Tournament
- 2023 Northeast Massbad Open Local Championships
- 2022 Massbad Junior Open

6/20/22 – 7/1/22: [Inspirit AI Summer Program](#)

- Learned fundamental machine learning techniques from Stanford/MIT graduates
- Created an object detection model (for self-driving cars) using python ([Final presentation](#))

ACADEMIC PERFORMANCE

GPA: 4.36/4.50 SAT: 1550/1600 (Math: 800, Reading/Writing: 750)

AWARDS & ACHIEVEMENTS

- Harvard University Book Award–1 of 2 recipients at school (2024)
- English Department Outstanding Award (2024)
- 1st place at 2024 Massbad High School Team Tournament (2024)
- Selected TEDx speaker at Winchester High School (2024)
- The President's Volunteer Service Silver Award (2024)
- National Association for Korean Schools Junior Leadership Gold Award (2024)
- Voted "Most Likely to Save the World" senior-year superlative (2024)
- ACSL contest finalist and Highest scorer for Winchester High School (2023, 2022)
 - Outstanding Achievement Award (2023)
 - First Place Intermediate 3 Contest, State of Massachusetts (2022)
- 2nd Place for Boys Doubles (High School Badminton Division) in Bay State Games (2023)
- National Spanish Exam (NSE) Silver Award (2023, 2022)
- Grand Prize Award for Dokdo-East Sea Naming Survey-Activity Report Contest (2022)
 - Organized by National Association for Korean Schools ([NAKS](#)); sponsored by South Korean Ministry of Foreign Affairs, [Final Submission](#)
 - 2nd place award (2021)
- Grand Prize Award in Korean School Poetry Contest (2021)
- Award of Academic Excellence at 8th grade graduation (2021)
- Black Belt in Taekwondo (2020)
 - 1st place in sparring, 3rd place in poomse for local tournament (2019)

SKILLS

- Programming: Python, Java, Web Development (HTML, Javascript, CSS)
- Hardware: Arduino board (C++), Onshape (CAD)

VOLUNTEERING

Korean School of New England Teacher Assistant (Fall 2022 – Present)

- Writer/translator for the school's newspaper, photocopier for 15 teachers

Taught Arduino board to Managuan college students in Spanish (Summer 2023, 2024)

- 2023: [Day 1](#), [Day 2](#), Day 3: Group projects and "business pitch" for product
- 2024: [Day 1](#), [Day 2](#), [Day 3](#)

Taught Python to high school students in Jakarta (Summer 2023)

- [Day 1](#), [Day 2](#), [Day 3](#), [Day 4](#)

Taught English to Cambodian Elementary school students via Zoom (May-June 2022)

Weeded Wright-Locke Farm for town project to plant Miyawaki Forest (July 20, 2024)

HOBBIES

Badminton, Biking, Korean Calligraphy, Piano/Guitar, Sudoku