

Juni C Kim

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Education

Stanford Online High School	2020 – 2024
<ul style="list-style-type: none">GPA: 3.98 out of 4.00 ACT: 36 (Math: 36, Reading: 36, English: 36, Science: 34)AP Calculus AB: 5, AP Calculus BC: 5, AP Chemistry: 5, AP Computer Science A: 5, AP Statistics: 5, AP Physics 1: 5	

Research Experience

IEOM Monterrey, <i>An Analysis of Visual Subitization Across Different Modes of Peripheral Vision</i>	Nov 2021
<ul style="list-style-type: none">Used Numpy/Scipy to run statistical inferences on subitization dataCreated a program to automatically log participant responses	
The High Resolution Exposomics Laboratory at Mount Sinai, <i>Establishing a computational screening framework to identify environmental exposures using untargeted GC-HRMS</i>	May 2021– Sep 2021
<ul style="list-style-type: none">Analyzed GC-HRMS data with R packages to identify halogenated organic compoundsApplied program results to test correlations between exposures and Primary Biliary Colangitis and Primary Sclerosing ColangitisPresented the project to the IAET 2nd International Conference on Soft Computing, AI, Machine Learning, Smart Materials & IT	

Honors & Awards

Berkeley Math Tournament, <i>Distinguished Honor Roll in Geometry</i>	Nov 2021
AMC 12B, <i>Scored 118.5/150, Distinction</i>	Nov 2021
AMC 10A, <i>Scored 144/150, Honor Roll of Distinction, Top 0.04%, 6th nationally among 10th graders</i>	Nov 2021
American Computer Science League Finals Intermediate Division, <i>Scored 40/40, Gold Medalist</i>	May 2021
USAJMO, <i>Scored 7/42</i>	Apr 2021
AIME I, <i>Scored 10/15, 19th nationally among 9th graders</i>	Mar 2021
USA National Chemistry Olympiad, <i>National Exam Nominee, Semifinalist</i>	Mar 2021
AMC 10B, <i>Scored 117/150, Distinction</i>	Feb 2021
AMC 10A, <i>Scored 141/150, Honor Roll of Distinction, Top 0.25%</i>	Feb 2021
Canadian Computing Competition Senior Division, <i>Scored 58/75, Top 2.5%</i>	Feb 2021
CS@Mines High School Programming Competition, <i>Team Leader, 2nd Place</i>	Feb 2021
USA Computing Olympiad, <i>Platinum Division Competitor</i>	Jan 2021
National Latin Exam Beginning Latin Exam <i>Summa Cum Laude, Gold Medal</i>	2021
USA Fencing, <i>2021 All-Academic First Team</i>	2021
National Mathematics & Science Competition, <i>1st Place</i>	Dec 2020
AIME I, <i>Scored 7/15</i>	Mar 2020
AMC 10A, <i>Scored 109.5/150, Distinction</i>	Feb 2020

Extracurriculars & Community Service

Stanford OHS Peer Tutor, <i>AP Chemistry, AP Calculus BC, AP Statistics</i>	2021 – 2022
Stanford OHS Teachers Assistant, <i>AP Calculus BC</i>	2020 – 2021
Stanford OHS Math Competition Club	2020 – Present
Chemistry Olympiad Team	2020 – Present
Stanford OHS Competitive Programming, <i>Circle Leader</i>	2020 – Present
Leadership and Activism Club	2020 – Present
UNICEF Club	2020 – Present
Lend a Hand Tutoring, <i>Founder/Leader</i>	2020 – Present
Charms of Change	2019 – Present

Projects

MAA Tester, <i>React/Firebase app for math contest preparation</i>	2021 – Present
<ul style="list-style-type: none">Submitted to Congressional App Challenge	
gostoptools, <i>series of web apps for logging/payment in hwatu card games</i>	Oct 2021 – Present

Writing

Scholastic Art and Writing, <i>submitted essay titled “console.log(‘The Web that Won’t Hold’)”</i>	Dec 2021
EarthPlex, <i>published article titled “The Seaweed Threatening the Atlantic”</i>	Jul 2021

Miscellaneous

Technical Proficiencies: Linux (Arch Linux and dwm), TypeScript, R, Python, C++, Java, React, Firebase, MongoDB, LaTeX

Sports: Fencing, Boxing