

Derek K. Xu

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OBJECTIVE	To pursue a major in an engineering or computer science field
EDUCATION	Dublin High School, Dublin, CA - August 2018 - Present CURRENTLY A SENIOR, ENGINEERING ACADEMY MEMBER <ul style="list-style-type: none">• Weighted GPA: 4.60• Relevant Courses:<ul style="list-style-type: none">◦ AP Calculus BC◦ AP Computer Science Applications◦ Principles of Engineering Honors◦ Honors Digital Electronics◦ AP Chemistry◦ AP Physics C Mechanics and Electricity & Magnetism (self-studied)
VOLUNTEER EXPERIENCE	Valley Children's Museum, Dublin, CA - October 2018 - August 2020 TEEN LEADERSHIP COUNCIL MEMBER, CHILDREN'S ASSISTANT <ul style="list-style-type: none">• Planned, setting up, and assisting kids with activities, such as crafts, experiments, and sensory play activities• Produced a video/hosted an activity for first virtual event during COVID-19
EXTRACURRICULAR ACTIVITIES	Mappers for Humanity Club - February - April 2021 PRESIDENT <ul style="list-style-type: none">• Map uncharted areas worldwide in need of humanitarian assistance• Recruited 10 students, hosted club meets, coached mapping skills, set team goals Summer Research Academies - June - July 2021 MACHINE INTELLIGENCE TRACK <ul style="list-style-type: none">• Studied machine intelligence and developed machine learning algorithms• Built and presented a neural network model predicting COVID trends
SKILLS	Foreign Languages <ul style="list-style-type: none">• Intermediate Chinese (Completed AP Chinese) Computer Skills <ul style="list-style-type: none">• Programming languages: HTML, CSS, Command line, Git, Python, SQL, JavaScript, C, C++, Java• Pair computer programming<ul style="list-style-type: none">◦ Explaining the code for another programmer to write◦ Writing the code the other programmer describes• Google Drive, Docs, Slides, Sheets, Drawings, Forms, Sites• Microsoft Word Other Skills <ul style="list-style-type: none">• Advanced math skills (Participated in math competitions: AMC 10/12, AIME, MOEMS, Mathcounts)<ul style="list-style-type: none">◦ Won Perfect Score award for MOEMS◦ 3-time AIME qualifier