

I'm a high school senior with a keen interest in computer science and technology, and how they can influence our society's future.

EDUCATION

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| Davis Senior High School, Davis, CA — GPA (unweighted): 3.96 | 2021 — Present |
| <ul style="list-style-type: none">• Relevant Courses: AP Calculus AB, AP Calculus BC, AP Chemistry, AP Physics, AP Biology, Advanced Robotics Honors, AP U.S. History, AP English Literature and Composition, AP U.S. Government, AP Macroeconomics• Self-Studied AP Courses: AP Computer Science A, AP Physics C: Mechanics, AP Physics C: Electricity and Magnetism (to be taken), AP Statistics, AP English Language and Composition• Dual Enrollment Courses: Calculus III | |
| Michigan Math and Science Scholars — Mathematics of Decisions, Elections, and Games | Summer 2023 |
| Summer STEM Institute — Conducting Data Science Research, Programming for Data Science | Summer 2021 |
| AwesomeMath Summer Program — Number Theory | Summer 2020 |

TECHNICAL EXPERIENCE

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| FIRST Robotics Competition Team 1678: Citrus Circuits | August 2021 — Present |
| <i>Software Scouting Front-End Developer</i> | |
| <ul style="list-style-type: none">• Led design and implementation of Android and desktop apps using the Kotlin programming language for a world-leading FRC robot scouting system.• Wrote whitepaper on the scouting system's architecture and design, and publicly released the source code for other teams to use.• Contributed significantly to the team winning its division at the <i>FIRST</i> World Championship in both 2022 and 2023.• Led the Shelter Finder outreach project, developing a web app to help police officers in the local community locate available homeless shelters for those in need. Collaborated with community members. | |
| UC Davis Molecular Computing | June 2022 — Present |
| <i>Software Engineering Intern under Professor Dave Doty</i> | |
| <ul style="list-style-type: none">• Conducted software-based research on DNA nanotechnology by developing the web app scadnano, a tool written in the Dart programming language using React Redux helping researchers design synthetic DNA nanostructures. | |

VOLUNTEERING/LEADERSHIP

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| Davis Coding Club | August 2021 — Present |
| <i>Vice President — Project Organizer</i> | |
| <ul style="list-style-type: none">• Taught at Python and Java workshops for elementary school students.• Wrote problems for and organized the Davis Coding Tournament in 2022 and 2023 for elementary and middle school students. | |
| Davis Youth Robotics RoboCamps | Summer 2022, 2023 |
| <i>Head Counselor</i> | |
| <ul style="list-style-type: none">• Led team of counselors at summer camp hosted by Citrus Circuits.• Taught students through 8th grade teamwork through building and programming VEX IQ robots. | |
| DSHS Mu Alpha Theta Math Club | August 2021 — Present |
| <i>Vice President — Website Lead</i> | |
| <ul style="list-style-type: none">• Wrote problems for and organized the Davis Math Tournament in 2022 and 2023. | |

COMPUTING SKILLS

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| Languages | Python, Java (USACO Silver), Kotlin, C++, Rust, XML, HTML, CSS, JavaScript, TypeScript, Dart, LaTeX, Markdown, Typst |
| Frameworks/OS | Linux, Windows, Android, Jetpack Compose, Compose Multiplatform, Google Apps Script, Manim |
| Other Programs/Software | Git, GitHub, Zsh, JetBrains IDEs, Visual Studio Code, Tailscale |

EXTRACURRICULARS

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| Boy Scouts Troop 139 Davis — Star Rank, Patrol Leader, attended summer camps, participated in community service events |
| Flute — Music Teachers' Association of California Certificate of Merit Level 9, member of Davis Youth Flute Choir (2018—) |
| Sports — Tennis (DSHS Junior Varsity Team), Cross Country (DSHS Frosh/Soph Team), Swim (recreational) |