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# Edwin Chang

GitHub/EdwinChang24

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

## EDUCATION

**Davis Senior High School, Davis, CA** GPA (unweighted): 3.96 **2021 — Present**  
Relevant Courses: 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 Economics  
**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

**FIRST Robotics Competition Team 1678: Citrus Circuits** **August 2021 — Present**  
*Front-End Developer*

- Worked extensively on Android and desktop app development using the Kotlin programming language for the world-leading FRC robot scouting system; contributed significantly to the team winning its division at the *FIRST* World Championship in both 2022 and 2023.
- Led the [Shelter Finder](#) outreach project, helping police officers in the local community locate available homeless shelters for those in need. Oversaw the development of its website and collaborated with community members.

**UC Davis Molecular Computing** **June 2022 — Present**  
*Web Developer Intern*

- Helped develop the scadnano project, allowing researchers to construct complex DNA models using a web interface.

## VOLUNTEERING/LEADERSHIP

**Davis Coding Club** **August 2021 — Present**  
*Project Organizer*

- Taught at Python and Java workshops for elementary school students.
- Wrote problems for the 2022 Davis Coding Tournament for elementary and middle school students.

**Davis Youth Robotics RoboCamps** **Summer 2022, 2023**  
*Counselor*

- Volunteered for two weeks as a counselor and one week as a head counselor at a summer camp hosted by Citrus Circuits to teach kids teamwork and coding basics.

**DSHS Mu Alpha Theta Math Club** **August 2021 — Present**  
*Davis Math Tournament Organizer*

- Wrote problems for and proctored the Davis Math Tournament in 2022 and 2023.

## COMPUTING SKILLS

<b>Languages</b>	Python, Java (USACO Silver), Kotlin, C++, XML, HTML, CSS, JavaScript, TypeScript, Dart, $\text{\LaTeX}$ , Markdown, V
<b>Frameworks/OS</b>	Linux, Windows, Android, Jetpack Compose, Compose Multiplatform, Google Apps Script, Manim
<b>Other Programs/Software</b>	Git, GitHub, Zsh, JetBrains IDEs, Visual Studio Code, Tailscale

## EXTRACURRICULARS

Boy Scouts Troop 139 Davis — Star Rank  
Flute — Music Teachers' Association of California Certificate of Merit Level 9  
Sports — Tennis, Cross Country, Swim