

# Alex Dickhans

Engineering focused high school student

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## EDUCATION

### Longmont High School, Longmont, Colorado

August 2021 - Present

Weighted GPA: 4.479

Relevant coursework: AP Computer Science A, Intro to Artificial Intelligence, Intro to Data Science, Design foundations

Expected graduation: 2025

Class Rank: 1st

Membership: Cross Country, NHS

## Extra Curriculars

### Scouts BSA — *Life Scout*

Leader in scout troop for 5 years

National Youth Leader trained

### VEX Robotics — *World Class Programming*

Participated in VEX Robotics for 8 years

Ranked 54th at the VEX 2022 World Championships

Won regional and worldwide invitational competitions

### First Robotics Competition — *Software Team Member*

Active member of 1619 Up-A-Creek Robotics

Contributed to robot code used at the world championship

## Experience

### SVVSD Innovation Center — *Student designer*

July 2022 - Present

Part time employ of SVVSD Innovation Center

Design user friendly systems to monitor health of local waterways

## SKILLS

**Fluent:** C++, Java,  
FreeCAD, Fusion 360,  
Schematic Design,  
Arduino, Motion Control,  
3D design

**Proficient:** Python, Rust,  
Go, Radio Control, C,  
KiCAD

## AWARDS

**Amaze award at VEX  
Worlds** awarded based on  
programming, building  
and notebooking  
excellence

**First place at Code Quest** a  
district wide Innovation  
Center programming  
competition

**Overall fastest, and most  
reliable Deepracer Model**  
at a school wide Deepracer  
artificial intelligence car  
racing competition

**First Robotics  
Competition 2022 World  
Champions** as an active  
member of 1619  
Up-A-Creek Robotics

