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Lucas Raine

ME:

I am a dedicated, self-motivated high school Sophomore looking for an opportunity to solve engineering and computer science problems. I can pick up new skills quickly, have a lot of experience working in teams, and enjoy working through complex problems together.

SKILLS:

Software:

C# in Unity, C, C++, html & CSS, Javascript, and Python.

Manufacturing Machines in Reseda's Engineering Lab:

Vertical Bandsaw, Horizontal Bandsaw, Drill Press, Laser Cutter using Inkscape, CNC Mill

CAD:

Fusion360, Solidworks

EXPERIENCE:

FRC Robotics Team 2584, Viewpoint and Reseda High School — *Robotics Team Member*

January 2023 - April 2023

- Design and CAD for wireless box protection
- CAD for cart handles
- Design/Brainstorm intake mechanisms

Vex, Reseda High School — *Robotics Team Member*

August 2022 - December 2022

- Lead Flywheel Designer
- Co-Driver

Mulholland Vex Robotics Team, Mulholland Robotics Magnet — *Robotics Team Captain*

July 2019 - May 2022

- Programming in VEXcode IQ for autonomous portion
- Lead Driver

Figure Skating Production Team — *Ice Skating Team Leader*

July 2016 - May 2023

- Leading independent practice sessions
- Designing props for show

EDUCATION

Reseda Charter High School and Pierce College, California

August 2022 - December 2022

- Intro to Computer Science
- Pierce Career Exploration Summer Days (Engineering, Architecture, Electronics)
- CIS101, CS116, CS119, CS216
- ENG GEN 101, EGD TEK 101, EGD TEK 121, EGD TEK 131

AWARDS

Vex IQ World Robotics Competitor 2021-2022, Mulholland Middle School

Academic Excellence Engineering Award 2022, Mulholland Middle School

EXTRACURRICULARS

- **Figure Skating**
- **Contortion**
- **Flute**
- **Singing**
- **Voice Acting**
- **Art**
 - **Watercolor**
 - **Charcoal**
 - **Digital Art**
 - **Temporary Tattoos**
 - **Acrylic Pouring**
 - **Quilling**

REFERENCES

Mr. Reidinger

Mr. Flores

Ms. Cagle

Mr. Gendernalik

Mrs. Lewis

Eric Lind

Eric Lind is an academic role model. He has given me support in enrolling in courses, encouraged me to challenge myself through rigorous high school and college courses and advised me on how to handle the workload. Being the former president of the robotics team he has also been a huge inspiration for how I should lead others in an academic setting.

Self-sufficient. Read papers aloud to improve. Tech support, Robotics advise, course/teacher advise, encouragement to challenge yourself,

Ben Luker

I have received a lot of support from my brother with technical assistance with robotics, school work, college computer science classes, and math. He has given me professional advice such as focusing on making connections while in college because you are surrounded by others in your industry. He is a big professional inspiration to me as he graduated college with a computer science degree and has a good job.

Professional support: Supporting my game dev. Endeavor→resume,
Supports me as a whole and helps w/ tech problems + advice on getting a job (Since he has one)

Tony Santiago

Tony is a good friend of mine who has helped me improve myself and emotional well-being. Long conversations of philosophical ideas debated respectfully have helped me to acknowledge my own cognitive dissonance and challenge the societal structures I take as given. This has helped to solidify my personal identity and think critically. He has also given me personal support in my venture to learn Spanish and also to limit my screen time. Limiting my screen time with his advice has made a huge impact on my emotional well-being. While working on a story for a video game, his advice on thinking and asking questions about the world I set the characters in has been invaluable for world building. Finally, his insistence that art is meaningful and necessary to the world just as much as technological advancement has profoundly impacted my personal worldview.

managing relationships, emotional well being

Language advice, game story advise. Others→more motivated to finish.

Helped give philosophical advise, got me not addicted to phone lmao,
value of creating art→influences STEM.