

Lucas Flowers

Phoenix, AZ · [\(602\) 784-2043](tel:(602)784-2043) · contact@lucasflowers.net · [LinkedIn](#) · lucasflowers.net

HONORS

Member, National Society of High School Scholars (*May 2023*)

Dean's List Semi-Finalist, Phoenix Robotics, Phoenix, AZ (*March 2023*)

First Robotics Competition LA Regional Winners, Phoenix Robotics, El Segundo, CA (*March 2023*)

Best Programmer, Phoenix Robotics (*May 2023*)

LEADERSHIP

Control Systems Subteam Lead, Dragon Robotics (*August 2024–Present*)

- Mentors rookies in Java WPILib programming and electrical concepts.
- Programs autonomous and teleoperated robot modes for competition.
- Leads the Control Systems team in programming and wiring the team's robot.

Treasurer, Phoenix Robotics (*May 2023–May 2024*)

- Managed purchase orders and maintained the team budget to meet financial goals.

Lead Programmer, Phoenix Robotics (*January 2023–May 2024*)

- Programmed the autonomous and teleoperated robot modes for competition.
- Troubleshooted and resolved programming bugs to optimize functionality.
- Served as the only programmer on the team for two consecutive years.

ACTIVITIES

Exchange Student, Central High School Global Studies (*January 2025*)

- Hosted a Japanese student for two weeks, responsible for introducing him to the Phoenix area.
- Lived with a host family in Himeji, Japan, and had the opportunity to explore Hiroshima, Kyoto, and Osaka during the two-week stay.

Participant in Impact Lab - Introduction to Robotics Engineering, Wentworth Institute of Technology (*July 2024*)

- Engineered robotic systems using CAD, 3D printing, and microcontroller programming for automated tasks.
- Built and tested circuits, integrating sensors and actuators to enhance robot functionality.
- Collaborated in team-based projects, from design through iterative testing, while analyzing the ethical impacts of robotics.

Graduating Member, Leadership Society of Arizona Summer Program (*July 2023*)

- Engaged in workshops focused on leadership, decision-making, and stress management.
- Collaborated with peers and mentors to develop leadership skills through hands-on learning experiences.
- Enhanced public speaking and presentation abilities, building confidence and communication skills.

2nd Degree Brown Belt, Scottsdale Martial Arts Center (*August 2014–2023*)

- Sparring weekly to develop skills and resilience.
- Placed third in the USA Karate Arizona City Championship.
- Advanced through quarterly belt tests.

Founding Member, GenYES Benchmark School (*August 2018–2020*)

- Maintained computers and technology around the school.
- Produced instructional videos on technology applications.
- Developed and maintained the school's portal website with resources for students.

CERTIFICATIONS

[ImpactLab - Introduction to Robotics Engineering](#), Wentworth Institute of Technology *(July 2024)*
[IT Specialist - Java](#), Certiport - A Pearson VUE Business *(May 2024)*
[IT Specialist - HTML and CSS](#), Certiport - A Pearson VUE Business *(April 2024)*
[IT Specialist - JavaScript](#), Certiport - A Pearson VUE Business *(April 2024)*
[IT Specialist - Python](#), Certiport - A Pearson VUE Business *(March 2024)*
[Software and App Design Technical Skills Assessment](#), Arizona Career and Technical Education Quality Commission *(March 2024)*
[CS50x 2023](#), EdX, Harvard University *(January 2024)*

TECHNICAL SKILLS

HTML/CSS	★★★★★
Python	★★★★★
Photoshop/Affinity Photo	★★★★☆
Java	★★★★☆
CAD (Autodesk)	★★★★☆
Javascript	★★★★☆
Linux (Debian)	★★★★☆

SOFT SKILLS

Communication
Problem-solving
Teamwork
Leadership
Critical Thinking
Creative Thinking
Time Mangement