**SPARKY FIRSTSECONDYEAR**

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**SUMMARY**

Mechanical engineering student with experience in technical projects for Engineering In Community Service (EPICS) and Project Lead The Way (PLTW). Seeking internship summer 2023 in design, manufacturing, quality, and related areas.

**EDUCATION**

**B.S.E., Mechanical Engineering** May 2026

Arizona State University, Tempe, AZ 3.02 GPA

**Alhambra High School, Phoenix, AZ** May 2022

Achieved 3 AP/Dual Enrollment credits 3.22 GPA

**TECHNICAL SKILLS**

**Design and Modeling Tools:** SOLIDWORKS, AutoCAD, Microsoft Office

**Programming:** C, C++, Java, Python

**PROJECTS**

**Drinking Water Assessment: Engineering in Community Service (EPICS), ASU** Fall 2022 – present

Part of a team of six developing specifications for a machine to clean and refill water bottles for the homeless population in Phoenix, avoiding use of single-use plastic bottles:

* Developed team schedule, including quality measurement for each major milestone (Microsoft Project)

**Project Lead The Way , Alhambra High School, Phoenix, AZ** Fall 2020 – Spring 2022

Completed Introduction to Engineering (IED), Principles of Engineering (POE), and Engineering Design and Development (EDD) modules.

* Established 3D CAD skills (AutoCAD), constructed marble sorter which used light sensor to differentiate colors, and designed automatic ATV that used motion sensor to reverse

**WORK EXPERIENCE**

**McDonald's, Gilbert, AZ: Associate (8-24 hours/week)** Aug 2019 – Dec 2019

* Trained two new associates on operations including store register, cleanup, and drive-through tasks, from daily startup through daily closing expectations
* Received monthly “Perfect Attendance” award three times

**ACTIVITIES**

**Engineering Futures, ASU** Aug 2022 – present

* Engage in weekly sessions including panel discussions and other activities to learn more about engineering as a profession

**Project Lead The Way (PLTW), Alhambra High School, Phoenix, AZ** Aug 2020 – May 2022

* Represented Alhambra PLTW at Arizona State PLTW Conference August 2021