Aleph Qin

Innovative disruption is my main game.

Albert "Aleph" W. Qin

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EDUCATION

GPA: 3.56   *Year: Junior*

University of Illinois, Urbana-Champaign, IL — *Class of 2027*

Pursuing BS. E Aerospace Engineering & Minor in the Hoeft Technology and Management Program

EXPERIENCE

Liquid Rocketry Illinois — Oct. 2024 – *present*

Avionics Team Lead (2025 - present):
- ★ Reworked airframe avionics team onboarding strategy
- ★ Spearheaded assembly of avionics hardware, creating high quality, reproducible electronic boards.

Embedded systems engineer (2024 - 2025):
- ★ Developed load cell implementation, strategized solutions for load calibration.

Illinois Robotics in Space (IRIS) — Sept. 2023 – *Jan. 2025*

Systems engineer (2024 - 2025):
- ★ Co-authored project management plans and project organization outline

Embedded systems engineer (2023 - 2024):
- ★ Assisted in implementation of checksum algorithm and embedded motor systems.

GENERAL SKILLS

Prototyping:	Strategies:	Programs:
C++ Language	Teambuilding	KiCAD
Python Language	Workflow Design	Siemens NX
Electronics Prototyping	Onboarding Strategy	Blender
Audio & Signal Processing	Documentation Composition	VSCode
3D Modeling		Git & Github

AT A GLANCE

Ambitious and strategic innovator with the goal of bringing humanity within reach of asteroids' mineral wealth. Aleph has 7 years of experience working with microcontrollers, being self-taught in Arduino, C++, and electronics assembly/prototyping.

SELF-GUIDED AMBITIONS

Perfumer: Engineering custom fragrance formulas for any occasion, under Yinyu Fragrances.

Worldbuilding: Designing sci-fi space stations and exobiology.

Asteroid Mining: Authoring a book on extraterrestrial mining potential.