

Yichuan Liu

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Objective

First year student with experience designing and launching rockets. Familiar with building electronic circuitry and logic gates and binary adder systems. Seeking circuit technology or signal processing internship for summer 2024.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Electrical Engineering

Relevant Coursework: Intro to Computing

August 2023 – Present

Expected Graduation, May 2027

Landesgymnasium für Hochbegabte, Schwäbisch Gmünd | Baden-Württemberg, Germany

September 2019 – July 2023

High School Diploma, GPA 4.00 (converted)

Skills

Hardware: Soldering, Basic Knowledge of Electronics (Circuits)

Programming: Python, C++

Languages: German (native), Mandarin (native), English (fluent)

Communication: Public Speaking, Negotiation, Interpersonal skills

Projects

Rocket

March 2023

Engineer / DLR Lampoldshausen (Largest German Aerospace Center)

- Designed and launched a rocket under the guidance of professionals; Achieved the altitude of 170m

Leadership or Activities

Binary Adder | Schwäbisch Gmünd, Baden-Württemberg

September 2018 – July 2023

Founder and Director / Landesgymnasium für Hochbegabte

- Presented research papers on binary adder, achieving 3rd prize in the largest European competition “Jugend forscht”
- Raised 1500\$ of funding for equipment and coordinated physics laboratory to instruct 30 students; built binary adder
- Recognized in the TOP 2% Germany at the International Physics Olympiad
- Obtained German National Physics Award “DPG-Abiturpreis”

Mathematical Competition | Schwäbisch Gmünd, Baden-Württemberg

September 2020 – July 2023

Captain / Landesgymnasium für Hochbegabte

- Attained 4th Prize in International Mathematics Competition “Bolyai” and 3rd Prize in the largest National Competition “Bundeswettbewerb Mathematics”(TOP 0.1%)
- Obtained German National Mathematics Award “DMV-Abiturpreis”
- Guided 35 students to national accolades
- Arranged and initiated own competitions for 200+ people

Basketball | Schwäbisch Gmünd, Baden-Württemberg

September 2021 – July 2023

Captain / Landesgymnasium für Hochbegabte

- Trained 20 students in fundamentals and techniques
- Initiated and organized school’s premier sports event for 200+ people

German for Ukrainians | Schwäbisch Gmünd, Baden-Württemberg

April 2021 – July 2023

Teacher / Landesgymnasium für Hochbegabte

- Educated 21 Ukrainian refugees in German; 19 successfully passed the B2 Goethe exam
- Designed curriculum and led intensive courses