

Ruining Zhang

555 8th Street, Atlanta, GA 30332 | 404-915-0563 | rzhang718@gatech.edu | Non-US citizenship (Chinese)

Objective

First-year Computational Engineering student at Georgia Tech with foundational knowledge in electronics and computer engineering, eager to contribute to innovative robotics projects and solutions. Seeking an internship or co-op opportunity to apply skills in circuit design, programming, and system analysis to real-world robotics challenges, driven by a strong passion for technology and problem-solving.

Education

Guangdong Experimental High School | Guangzhou, China

Official High School Diploma GPA 96/100 Top 1%

Graduation: June 2024

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Engineering

August 2024 -- Present

Expected Graduation, June 2028

Skills

Programming: Java, C++

Platforms: Windows, PowerPoint, Word, Excel

Software: GitHub, IntelliJ IDEA, Vis-code, Dev C++

Communication: Design proposals, technical reports, instruction manuals, presentations (large and small audiences), fast-learner, critical thinking skills, quick-info process

Languages: English (Conversational), Chinese (Conversational)

Relevant Coursework

AP Computer Science A: Basic Java coding; Java logic functions

AP Chemistry: basic chemical concepts, acid and base, chemical equations

AP Physics C Mechanics: mechanical physics concepts, forces, momentums, motions

AP Physics C Electricity and Magnetism: Transformation of electrons, conductivity, magnetics

AP Calculus BC: Differential Equations, Integration, Tayler Series

Intro-to Object Oriented Programming: Advanced Java coding

Leadership or Activities

High School Vex-Robotic Club | Member

- Completed building physical robot with teammates
- Engaging in constructing inner control system of built robot

October 2021 – June 2023

High School Astronomy Association |Vice President

- Successfully planning and taking action of large-scale outdoor star observation
- Held several activities about using telescopes and astro-lectures in school

May 2022 – June 2023

University of Chicago | Summer School learning group leader

- Organized a five-person learning group which everyone helped each other
- Successfully leading the producing of project about Brown Draf

July 2022 – August 2023

Research

Path Academic Research Program of Astrophysics

- 4 to 5 hours a week for school years, consist of 33 people
- Studying core concepts: **Gravitational Waves and Field, relativity and calculation of reference frames**
- Engaging in group learning experience, working for presentation on blackhole
- Group workings and producing Paper accepted for publishing (**CONF-MPCS MPCS_0354**)

March 2022 – June 2023