



Yitian Gao

Software Engineer Intern

College sophomore with proficient computer science and leadership skills seeking full time internship for summer 2023.

Website: <http://yitiangao.me>

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Contact

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Education

Est. May 2025

Bachelor of Science- Computer Science

Purdue University- West Lafayette

GPA: 3.78

Relevant Coursework: Linear Algebra, Data Structures & Algorithms, Computer Architecture, Discrete Math, Systems Programming, Information Systems

Clubs: Autonomous Motorsports Purdue

Skills

Technical Skills:

- Languages: C, C++, Java, JavaScript, Python, SQL, Assembly, Bash, ROS
- Front End: HTML, CSS

Practical Skills:

- Leadership, Organization, Communication, Teamwork

Achievements

Dean's List and Semester Honors

- Spring 2022

Eagle Scout - March 2021

Projects

08/2022

Personal Website

- Constructed a website using *HTML*, *CSS*, and *JavaScript*.

05/2022-08/2022

Python Games

- Followed online *Python* tutorials to write games such as Snake, Connect 4, and Tetris
- Applied innovative solutions to improve the efficiency of tutorial code

11/2021-12/2021

Quiz Maker

- Worked with a team of students to create a *Java* program for users to create, take, and score quizzes
- Lead section in charge of creating GUI pages and storing quiz data
- Application ran on a client-server network that can be accessed simultaneously by multiple users

Experience

08/2018-06/2021

FTC Robotics Team 14473 | Fremont, CA

Mechanical Lead

- Designed 3 robots using CAD software and assembled them using metal and custom 3D printed components
- Taught younger members mechanical concepts and tools
- Implemented open source Road Runner API to map robot trajectory
- Utilized computer vision to detect field elements
- Organized meetings and assigned roles to ensure swift and efficient completion of tasks

09/2014-06/2021

BSA Troop 468 | Fremont, CA

Volunteer

- Over 200 service hours at conservation and beautification projects and community events: etc. trash cleanup, weeding gardens, running festival booths
- Designed, coordinated, and lead an Eagle project with over 20 volunteers and 250 total service hours to construct 650+ face shields to donate to local healthcare centers during the pandemic
- Fundraised over 400 dollars for Eagle project by painting acrylic landscape paintings and selling them