

RYAN ABRAHAM

CONTACT



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<https://ryanabraham.org>



<https://github.com/chaoticthegreat>

EDUCATION

VALLEY CHRISTIAN HIGH SCHOOL

GPA 4.0 / 4.0

High School Student

2023-2027

CHABOYA MIDDLE SCHOOL

GPA 4.0 / 4.0

Middle School Student

2021-2023

SKILLS

- Python, Java, React, Svelte, C++
- Postgres, Containerization
- Machine Learning, Model training
- Robotics Vision, Robot design
- Team management
- Leadership

VOLUNTEERING

CODING WORKSHOPS

2024 - 100+ hrs

Free Python For Kids

freepython.ryanabraham.org

FLL/ROBOTICS MENTORING

2024-Present

FLL Explore Teams:

Cosmic Coders 30760

Cosmic Builders 30705

FLL Challenge Teams:

Delta Rovers 57600

TEACHERS ASSISTANT

2025

High School International

Space Station Program

Junior High International Space

Station Program

ABOUT ME

A high school sophomore with proven skills in software development and leadership. Committed to inspiring interest in STEM fields and guiding teams toward achieving shared goals and success.

WORK EXPERIENCE

SOFTWARE DEVELOPER

WarriorBorgs FRC Team (2023-Present)

- Use programming languages such as Java, Python, Javascript
- Work on emerging vision systems for robot localization and object detection using machine learning
- Train new members on the team

PRESIDENT/SOFTWARE LEAD

Delta Robotics (2022-Present)

- Teach new members core robotics skills and programming
- Manage the finances, logistics, and human resources of the team
- Program the tasks the robot will complete during the competition

SOFTWARE/ELECTRICAL R&D LEAD/INSTRUCTOR

Little Sparks Robotics (2024-Present)

- Educate kids in Title 1 Schools about STEM and robotics
- Create a curriculum for the basics of programming
- Create a curriculum for basic electrical prototyping
- Create prototype PCBs and schematics
- Instruct kids on how to create their own robot from scratch

VICE PRESIDENT

VCHS Software Development Club (2024-Present)

- Teach essential software skills such as web development and databases
- Educate students about new emerging fields such as AI and machine learning
- Foster a community to support one another

OFFICER

VCHS ROAR Club (2024-Present)

- Teach 3D perception, model predictive control, reinforcement learning, generative AI, and simulation and virtual reality
- Educate people to create new solutions for autonomous systems