

RYAN ABRAHAM

CONTACT

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-  <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 (2023-24)

VP OF ENGINEERING (2025-PRESENT)

WarriorBorgs FRC Team (2023-2024)

- 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
- Instruct kids on how to create their own robot from scratch

VICE PRESIDENT

VCHS Software Development Club (2024-Present)

vcsdclub.org

- Teach essential software skills such as web development and databases
- Educate students about new emerging fields such as AI and machine learning

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

COFOUNDER & SOFTWARE LEAD

SAFELOCK - <thesafelock.org>

- Won 2nd place at SVYEP business ventures competition
- Worked on product development
- Worked on PCB design

TEAM LEAD & STUDENT

UCSC COSMOS

- Learned about MLPs, CNNs, LSTMs, and transformers
- Worked on image classification & audio classification via torch
- Created website to host models