

## **Erick White**

Integrity~Honesty~Collaboration~Perseverance

3640 Gingham Way

Colorado Springs, Colorado 80918

719-301-8932 (Cell)

[erickwhitebusiness@gmail.com](mailto:erickwhitebusiness@gmail.com)

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### **OBJECTIVE:**

Hardworking student seeking an opportunity to learn and grow in a team environment with exceptional interpersonal skills and ability to communicate effectively; hoping to gain experience for future work in an aerospace or computer science field and eventual work as a NASA astronaut.

### **EDUCATION:**

University of Colorado Boulder, class of 2026

- Major in Aerospace Engineering

Thomas B. Doherty High School, class of 2022

- 4.6389 cumulative GPA (weighted 5.0 scale)
- 4.0 cumulative GPA (unweighted 4.0 scale)
- Class rank: 1 of 387

University of Colorado Colorado Springs (dual enrollment through Thomas B. Doherty High School)

- 4.0 cumulative GPA (unweighted 4.0 scale)

Pikes Peak Community College (concurrent enrollment while at Thomas B. Doherty High School)

- 4.0 cumulative GPA (unweighted 4.0 scale)

### **EXPERIENCE:**

#### **Volunteer Work:**

- Black Educator's Network
  - Literacy Festival, Colorado Springs, Colorado. Created and presented an introductory course via Zoom on the Python coding language to younger students (elementary age group mainly), as well as a keynote speech on success and goal setting. (Fall 2020, Fall 2021, Spring 2022)
  - Book drive, Colorado Springs, Colorado. Brought and distributed books of various reading levels and candy at an outdoor book drive for Halloween. (Fall 2020, Fall 2021)
- Colorado Springs Astronomical Society star parties, various locations, Colorado. Brought a telescope and guided the public through basic observing, several objects, and basic information on astronomy, as well as let people observe through the telescope under supervision. (2015-current)
- McAllister House Museum, Colorado Springs, Colorado. Helped to clean and organize the property, as well as decorate for the Christmas season, alongside other members of the National Honor Society. (Fall 2019)
- Martinez Elementary School, Colorado Springs, Colorado. Helped to set up and maintain the Martinez Elementary School Fall Festival for multiple years. (Fall 2016-2019)
- Rocky Mountain Star Stare, near Gardner, Colorado
  - Served as the Kids Event Coordinator for the duration of the convention; helped to organize children's events, find participants, and spread knowledge of the events, as well as let guests observe through a telescope at night under supervision. (Summer 2018)

- Gave two presentations in different years in front of a large audience; one presentation was a general exploration of nebulae (formation, classifications, etc.), while the other was a study conducted using spectroscopy on atmospheric methane levels in Uranus and Neptune (title: *Measuring Atmospheric Methane Levels of Uranus and Neptune Using Spectroscopy*). (Summer 2014, Summer 2017)

## **SKILLS:**

- Bilingual (English/Italian)
  - Semi-fluent in Spanish
- Programming Experience
  - Proficient:
    - Java
    - Python
    - HTML
    - CSS
  - Base-level:
    - C#
    - JS
- Familiarity with multiple IDEs
  - Visual Studio Code
  - Visual Studio
  - IntelliJ
  - PyCharm
  - WebStorm
  - Android Studio
  - Tinker.io
  - Canopy
  - repl.it
- Use of several development tools
  - GitHub
  - GitKraken
  - Unity (game engine)
- Excels at public speaking
  - Given two presentations at an event with national-level speakers (NASA, National Geographic, etc.)
- Experience in Blender (3D modeling/animation, video editing), DaVinci Resolve (video editing), and GIMP (photo editing)
- Previous experience and use of RSpec (spectroscopic analysis software)
- Extensive use of Microsoft Office 2011-19

## **HONORS AND ORGANIZATIONS:**

- Thomas B. Doherty High School:
  - Honor/Advance Placement Student
  - National Honor Society Member, 2019-2022
    - Junior Representative, 2020-2021
    - President, 2021-2022
  - Science Olympiad Member, 2018-2022
    - Team Captain 2021-2022
  - Mathletes Member, 2019-2021
  - Aerospace Club Member, 2018-2022
    - Co-president, 2020-2022
  - LINK Crew Member, 2020-2022
  - Academic Letter recipient (>3.75 GPA) 2018-2019, 2019-2020, 2020-2021, 2021-2022

- Valedictorian (class of 2022)
  - Academic Hall of Fame, 2022
  - American Chemical Society Colorado Section AP Chemistry Scholastic Award, 2022
- AP Scholar with Distinction, 2021
- Colorado Springs Astronomical Society Member, 2013-2022
- Conrad Challenge Participant, 2019-2020 and 2020-2021 Competitions
  - World Alternate Finalist (Aerospace category), 2019-2020 Competition
  - Conrad Innovator, 2019-2020 and 2020-2021 Competitions
- Jim West Memorial Youth in Science Presenter, 2017
  - *Measuring Atmospheric Methane Levels of Uranus and Neptune Using Spectroscopy*
- Night Sky Network Star, 2019, 2021
  - Awarded by the Colorado Springs Astronomical Society for exceptional volunteer work, award provided by NASA JPL
- American Chemical Society U.S. National Chemistry Olympiad National Exam Nominee, 2022

### **CERTIFICATIONS:**

- Microsoft Technology Associate Introduction to Programming using Java
  - Awarded May 24, 2021
- S/P2 Machining
  - Awarded August 24, 2021
- Colorado High School Seal of Biliteracy for High School Diplomas – Spanish
  - Awarded May 18, 2022
- Colorado High School Seal of Biliteracy for High School Diplomas – Italian
  - Awarded May 18, 2022