

Jeremiah Pitts

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EDUCATION

- Martin High School STEM Academy
- GP4 Non Weighted GPA: 3.9318, GP5 Weighted GPA: 4.5909, ACA Weighted GPA: 13.0227/15
- Class of 2022

STEM AND SPECIALIZED COURSES

Engineering – PLTW Introduction to Engineering Design, PLTW Principles of Engineering, PLTW Digital Electronics, PLTW Aerospace Engineering*, PLTW Mechanical Engineering*; **Computer Science** – Fundamentals of Comp. Sci., AP Comp. Sci. A, Adv. Comp. Sci. UIL, Comp. Sci. 3, Adv. Comp. Sci. 3, CSE 1320*; **Arts and Humanities** – Art 1, 2, AP Art Drawing, AP 2D Art*; **Math** – Pre-AP Algebra 1, 2, Pre-AP Geometry, Pre-AP Pre-Calculus, AP Calculus AB, AP Statistics*; **Science** – Pre-AP Biology, Pre-AP Chemistry, AP Chemistry, AP Physics 1, 3*, Astronomy, AP Biology*; **Spanish (Foreign Language)** – Spanish 1, 2

EXTRACURRICULAR ACTIVITIES AND LEADERSHIP EXPERIENCE

BEST Robotics: Actuator Design/Build Captain, Arm Design/Build Captain, Pneumatics Captain

- 2019 State Competition – UIL State 2nd Place Overall
- 2019 Regional BEST – 2nd Overall, Qualified for UIL State
- 2018 State Competition – UIL State 2nd Place Robotics
- 2018 Cowtown BEST – 1st Place Overall

FIRST Robotics: Design/Build Member, Pneumatics Captain, CAD Captain, Design/Build Asst. Captain

- 2020 FIRST Regional – Quarterfinalist, Autonomous Award
- 2019 FIRST UIL State – 2nd Overall, Qualified for UIL National
- 2019 FIRST Regional – 1st Place Overall

Computer Science and Cybersecurity

- 2021 Lockheed CyberQuest (ctf, comp*) (Cybersecurity)
- 2020 – Present CyberStart America, NGA CTF (cybersecurity)
- 2019 – Present HackerRank Comps. (Java coding competitions)
- 2019 – Present Hack Club (Weekly topics focusing on Comp. Sci.)

Academic University Interscholastic League (UIL)

- 2018 – Present UIL (Calc. App., Math, Num. Sense, Comp. Sci.)

James Martin High School Chess Club

- 2018 – Present Club Captain (Coordinated meetings)

Volunteer Work and Organizations

- 2020 – Present NHS (Volunteering)
- 2019 – Present Math NHS (Volunteering & advancing mathematics)
- 2019 – Present National Key Club (Volunteering)

○ 2016 – Present

Pub. Library Volunteer
(Shelved books & helped with programs)

General and STEM Work Experience

- 2021 – Present IBC Web Designer (Working on improving church webpage with html, CSS, javascript, & PHP)
- 2021 – Present Adv. Geometry Tutor (Tutored in Adv. Geometry)
- 2018 – Present Kevin Bowens Photography (Helped package & did manual labor seasonally)

Side Projects and Miscellaneous

- 2021 – Present Swerve Drive Robot (Independently calculated and CADed FRC Swerve Bot)
- 2018 – Present T-Shirt Cannon Robot (Helped CAD, design, and build robot now used in school pep rallies)

SKILLS

I am proficient in several CAD Programs including Autodesk Inventor and SolidWorks with 2 years of experience. I have proficiency coding with the languages JavaScript, Python, HTML, CSS, and Java (7 & 8). I also have 2 years of experience in Manual (i.e. Laser Cutting, Milling, Drilling, Band Saw, CNC, etc.) I am skilled in Data Structures such as Arrays, Maps, Sets, and Lists. I have a basic certification in Java and a *Master Certification in Microsoft Office, which includes Word, Excel, and PowerPoint*. I am very structured, determined, analytical, disciplined, and rarely listless.

AWARDS

- 2019: UIL District Calculator Application 3rd Place winner, Regionals Qualifier
- 2009 – Present: Arlington Public Library Chess Club Co-Founder, USCF 1st Place Tournament winner, multiple-time USCF 3rd Place Tournament winner

References are available upon request.

*not yet completed