Jeremiah Pitts

817.264.5290 • jeremiahnpitts@gmail.com • linktr.ee/jeremiahnpitts

EDUCATION

JAMES MARTIN HIGH SCHOOL STEM ACADEMY GPA: 4.60

Computer Science, Engineering, Math/Science Pathway Class of 2022

- **Relevant Coursework:** PLTW Principles of Engineering • PTLW Digital Electronics • PLTW Aerospace Engineering • ADV Computer Science III • ADV Cybersecurity • AP Calculus BC • AP Chemistry • Astronomy • AP Physics C: Mechanics

SKILLS

- Software: Autodesk Inventor, Fusion 360 (CAD), VSCode, Git, Github, GrabCad, MS Word, Excel, Pptx, Photoshop, Pixlr
- Engineering: FEA and Optimization, Excel Design Calculators, Basic CNC Router, Laser Cutter, Mill, Band Saw, Drill Press
- Computer Science: Data Structures & Algorithms, Reverse Engineering, Privilege Escalation, Terminals, SQL Injection
- Programming Languages: Java, Python (Pandas+Numpy+Pyplot), HTML, CSS, TI-Basic, Batch, Scratch, C++, JQL, Js, PHP, Powershell, Bash, C#, C, RobotC, Simulink, Regex

EXPERIENCE:

Bell Flight and Aeronautics Center SEP 2021- Now

- CyberSecurity/IT Intern, Worked on Business Data Access scripts, PowerShell Scripting, Legal Hold, Automation, JiraBoards, Company Articles, etc. Worked in CyberSecurity Operations, Architecture, and Compliance.

SANS Foundations MAY 2021 - Now

- Taking professional cybersecurity training course (SEC275), incorporating Logic & Data Manipulation, Data Storage and Representation, Cloud Computing, Linux, Networking, Web Servers, Windows, Programming, Encryption, and Exploitation.

Massachusetts Institute of Technology MOSTEC MAY 2021 - Now

- Attended selective 6-month MIT program; one of ~300 students of 6000+ applicants. Took Machine Learning and Science Writing, submitting and conducting an interview for formal Science Article, developed a number recognizer using numpy, pyplot, machine learning, and neural network with 97% accuracy.

CodeFy (Organization) Online

Fusion 360 (CAD), IED, Robotics & 3D Printing Director, Mentor, Volunteer FEB 2021 - Now

- Drafted Curriculum for Fusion 360 (CAD), Robotics & 3D Printing, Introduction to Engineering Design; Relayed curriculum to classes between 15-45 registered students once or twice a week, created an taught students how to make robotics design calculators using Calculus and Physics.

CyberStart America (Competition) Online

Cyberstart America Competitor; National Cyber Scholarship Competition Semifinalist DEC 2019 – Now

- Forensics, Cryptography, Data Analysis, Terminal, Web Exploitation, Python and Steganography Cybersecurity Competition.

Academic University Interscholastic League (UIL Competitions) Arlington, Texas

Mathematics, Number Sense, Calculator Application Competitor; Computer Science, Science Member SEP 2019 - Now

- Attended camp, lectures, meetings, competitions; 3rd Place Calculator Application UIL District; 2nd Place Sophomore Summer Competition; Competed in timed mental math, Science, and Computer Science competitions.

FIRST Robotics (High School Robotics Competition) Arlington, Texas

Pneumatics Captain; CAD Captain; Design/Build Assistant Captain JAN 2019 - Now

- Developed Physics and Calculus-based Feeder and Intake Design Calculators; Milled; Drilled; Used CNC Router; Taught Band Saw, Laser Cutter; Used Excel, MS Word; Only Designer/CAD-er for team for 2021 FRC Season.
- 2020 FIRST Regional – Quarterfinalist, Autonomous Award; Helped CAD, Build, FEA Stress Test; 2019 FRC UIL State – 2nd Overall, qualified for UIL National Competition; Regional – 1st Place Overall, Helped Build Drive Train, Actuators.

BEST Robotics Competition (High School Robotics Competition) Arlington, Texas

Actuator Design Captain; Arm Design/Build Captain; Pneumatics Captain, Programming Captain MAY 2018 - Now

- CAD-ed 2 BEST robots semi-independently; Tripled Team size by recruitment; Taught VEX Robotics at Boys and Girls Club.
- 2019 BEST State Competition – UIL State 2nd Place Overall; Regional – 2nd Overall; 2018 State Competition – UIL State 2nd Place Robotics; Regional – 1st Place Overall.

PROJECTS:

T-Shirt Canon Robot (Off-Season Robotics Project) MAY 2018 – MAY 2019

Helped CAD, build T-Shirt canon robot used in pep rallies; Used Autodesk Inventor, manual tools, and pneumatics.

*Not yet Completed

References Available Upon Request.