

John Brea McWhirter

Plains, Texas

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SKILLS C++ | VERILOG | PYTHON | C | HTML | CSS | JAVASCRIPT | JAVA

EDUCATION

GPA: 3.76

Texas A&M University, College Station, Texas, *Computer Engineering*

Graduation: May 2023

Blinn College, College Station, Texas, *Pre-Engineering*

January 2020 – August 2020

South Plains College (SPC), Levelland, Texas, *Pre-Engineering*

August 2018 – December 2019

WORK EXPERIENCE

Texas Instruments, Dallas, TX

Applications Engineering Intern – High Speed Converter Group

June 2022 – August 2022

- Designed programming applications in Python
- Developed an understanding of Data Converters
- Introduced to JESD204C protocol for high speed data conversion
- Worked with a team of applications engineers with different cultural backgrounds

B&D McWhirter Farms, Plains, TX

Farm Hand

October 2012 – Present

- Image crops circles via DJI Phantom 4 Pro to identify weed emergence and irrigation concerns
- Use Climate FieldView to map fields to experiment with and predict product yield
- Operate and troubleshoot all farm machinery (ATVs, forklifts, tractors, spray rigs and pivots)
- Work with chemical application imperative to crop production
- Endure unpredictable work hours and volatile schedule

National Aeronautics and Space Administration (NASA), Cleveland, Ohio

NASA Community College Aerospace Scholar

September 2019

- Selected to participate in an online course and exclusive trip to Glenn Research Center
- Designed, programmed, and marketed a rover with a group of students from around the country

Campus Ambassador, SPC, Levelland, Texas

June 2019 – December 2019

Ambassador

- Represented SPC in interviews, commercials, campus tours, publication, and graduation ceremonies
- Recorded footage of campus for television commercial with drone

Camp Timberline, Estes Park, Colorado

Ropes Counselor

May 2021 – July 2021

- Fostered a healthy Christian environment for children ages 6-17
- Obtained certification in Wilderness First Aid (WFA) and Cardiopulmonary Resuscitation (CPR)

Math & Engineering Department, SPC

August 2018 – December 2019

Math Tutor

- Utilized interpersonal skills to tutor and encourage students from a variety of cultural backgrounds

COMMUNITY EXPERIENCE

Aggie Men's Club, Texas A&M University

Member

September 2021 - Present

- Participate in an organization based in Christian values for students enrolled at Texas A&M
- Volunteer at meal distributions and Fall Festival with REACH Project