

Jovan Cain

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EDUCATION

Prairie View A&M University - Cumulative GPA: **3.90**

Prairie View, Texas

Bachelor of Science, Electrical Engineering

Expected Graduation: December 2021

Scholarships: Regents Merit Scholarship

Relevant Coursework: Logic Circuits, Advanced Mathematics, Physical Principles of Solid State Devices, Network Theory II

LEADERSHIP & WORK EXPERIENCE

JP Morgan Chase & Co.

Plano, Texas

Administrative Intern

June 2019 – August 2019

- 1 of 50 participate in the inaugural, full-time Advancing Black Pathways Apprentice Program focused on exposing students to hands-on-experience, project-based curriculum and professional readiness
- Utilized SCRUM framework to navigate and partner with team members on successfully completing and solving small business centered project focused on expansion and growth of property and clientele
- Analyzed current and past market trends to effectively develop real estate recommendations allowing the client to capitalize on a growing local economy

National Society of Black Engineers

Prairie View, Texas

Community Service Chair

April 2019 - Present

- Developed and implemented new programs for students to become more involved with the community on and off campus
- Assisted various food banks with collecting, organizing, and distributing goods to individuals in need
- Worked with community leaders and other campus organizations to promote organizational programs

PROJECTS

Smart Alarm Clock

May 2018

- Designed and created a smart alarm clock prototype that was controlled and accessible through a smartphone
- Programmed interface screen using C++ to set time and tone of alarm and layout of the screen
- Constructed speakers by soldering the wires to a printed circuit board

Moon Lander Simulation

December 2019

- Implemented Trick simulation software to generate a simulation showing a space shuttle launching and landing on the moon
- Demonstrated a successful landing accounting for variables, such as gravity on the moon, thrust, and fuel rate and capacity

Ultrasonic Sensor based Motion Sensing Alarm

December 2019

- Created a door alarm system using an ultrasonic sensor and buzzer to detect movement and distance of object
- Designed web server to alert user of movement and display distance readings on any internet accessible device

SKILLS

- C++, Matlab, Multisim, NASA Trick Simulation Framework