Carrington W. Grant
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ASSETS	Hardworking, reliable, organized, detail-focused high school student with a strong interest in Math, Science, and Engineering Design who is skilled in collaborating with others and getting jobs done punctually and at high quality.

EDUCATION	**Charles R. Drew Senior Academy**	**4.02 GPA**	**2017 - 2021**

RELEVANT COURSEWORK
Solidworks Software Training, Advanced Algebra, Geometry, AP Calc, 3 Year Engineering Pathway

SKILLS
SolidWorks, OnShape, SketchUp, TinkerCad, Arduino Microcontrollers, Microsoft Office

RELEVANT PROJECT

Children's Museum of Atlanta "Build-It-Bridge" Exhibit   **2019 - 2020**
- Interviewed CMA to comprehend their exhibit guidelines and restrictions effectively
- Conducted research with end-user of exhibit to understand what will allow exhibit to succeed
- Sketched/Designed detailed potential indoor and outdoor exhibits for CMA
- Implemented feedback received from teacher into 2nd iteration of designs
- Utilized Solidworks to produce a detailed 3D-model of designs for client
- Presented final design to CMA for feedback and evaluation
- Incorporated positive feedback from CMA into selected design
- Implemented Solidworks to digitally and physically prototype detailed portion of selected exhibit
- Cost effectively filled out an order form which included all materials that were needed to complete exhibit
- Employed CNC to cut parts of exhibit in a detailed manner
- Led design and mass production over 35 bridge connectors punctually

Tiny House Project Manager   **2020**
- Applied and Accepted for the role of Interior/Exterior Project Manager
- Guided members of my team to complete tasks efficiently
- Scheduled tasks on master schedule to achieve punctuality
- Evaluated team members efficiency and quality of work clearly
- Installed insulation, wall/ceiling sheathing, and window trim proficiently

Tri-Track Robotic Project   **2018**
- Researched effective and functional rolling and bipedal robots
- Employed 3D fabrication to obtain the pieces of tri-track robot effectively
- Modified physical design of robot to achieve optimum performance
- Utilized time management skills to assemble parts of robot successfully
- Began first iteration of coding thoroughly
- Troubleshooted tracks of tank-robot after failure to roll during 1st iteration of coding
- Created second iteration of coding based on required course of robot meticulously
- Conducted several trial and error iterations until robot was able to complete course successfully

Phone Holder Project   **2017**
- Investigated clients specific organization needs thoroughly
- Developed a original phone holder design for a specific client
- Utilized cheap materials to create multiple iterations of design
- Underwent evaluation and testing prior to creating final product
- Created model in TinkerCad innovatively
- Utilized 3D printer to fabricate final product

COMMUNITY INVOLVEMENT

Summer Engineering Volunteer   **Summer 2019**
- Designed tool holders for the Drew Charter Engineering Classroom resourcefully
- Increased classroom efficiency and organization inventively

EXTRACURRICULAR ACTIVITIES

National Beta Club   **2017 - Present**
- Held Presidential position of National Beta Club chapter
- Led fellow Beta members to carry out community service activities successfully
- Collected over 300 bottles from roadside for recycling

National Honor Society   **2019-Present**
- Held Vice-Presidential position of National Honor Society chapter
- Led highschool chapter to completion of many school and community service events

Varsity Basketball   **2017 - 2019**
- Demonstrated time management skills as a student-athlete
- Led team members on and off the court effectively

Awards/Honors
- Highest Achievement Award : Fundamentals of Engineering(2018) , Concepts of Engineering(2019)
- Governor's Honors Program 2020 Finalist/Selected