Generic Namely

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123 Main Street
Houston, TX 77015

Education

Prairie View A&M University, Prairie View, TX — Expected Graduation 2021
Bachelor of Science in Mechanical Engineering — GPA 3.25
Minor in Kinesiology

Relevant Courses: Mechanical Drawing, Materials Science, Thermodynamics I & II, Economic Analysis, Machine Design I & II, Manufacturing Processes, Fluid Mechanics, Kinematic Design and Analysis, Finite Element Analysis and Design

Engineering Projects

Vehicle Design Project (Senior Design) — Fall 2020-Spring 2021

- Designed a 4-wheel sedan style vehicle capable of traveling up to 60 mph
- Utilized ANSYS to conduct FEA (finite element analysis) including both stress and thermal analysis
- Collaborated with BMC (Basic Motors Company) consultant to ensure project parameters were met

NX Design Project — Fall 2018

- Designed a turbine blade using NX11 for drafting and design
- Conducted periodic flow simulations to ensure optimal design

Work Experience

Zimmer Biomet — Warsaw, IN
Mechanical Design Co-op — January- June 2019

- Modified and reviewed over 30 knee replacement components using Solidworks v2019
- Utilized Geometric Dimensioning and Tolerancing (GD&T)
- Drafted and designed 2 medical device 3D models from scratch while adhering to ISO 13485
- Designed and modified titanium and plastic components

Prairie View A&M University (Mechanical Engineering Department) — Prairie View, TX
Research Assistant — May- November 2018

- Conducted research on biomechanical principles relating to joint replacements
- Summarized and delivered research findings on 6 types of artificial joints to Dr. Anybody for further review
- Research findings included in journal article for International Journal of Kinesiology and Sport Science (IJKSS)

Leadership Experience

ABC (Anonymous Basic Club) — Prairie View, TX
President — January 2018- Present

- Lead board meetings, organize events, and develop outside partnerships with employers
- Generated over $12,000 dollars in new donations
- Increased the number of events held by 200% over the previous year

Organizations

ABC (Anonymous Basic Club) — 2017- Present
IEC (Imaginary Engineering Club) — 2018- Present
FEC (Fictional Engineering Club) — 2017-Present

Skills

CAD (NX11, Solidworks, AutoCAD), FEA, GD&T, ISO 13485, ANSYS, machining (turning and milling), MS Office