

NAME

TITLE

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Profile

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Experience

Mechanical Engineering Intern - Company / Location

November 2020 – Present

- Work with cross-functional teams to design new products and develop prototypes using modeling techniques, power equipment, and hand tools.
- Assess failure of engineering equipment, identify potential errors in mechanical structures, and establish diagnostic approaches for scenarios where no published strategies could be applied.
- Coordinate efforts with electrical engineers to optimize the installation and location of the wiring system in projects (for example, a 3-wheeled electric-powered vehicle).
- Designed and built fiberglass components and 3D models using CAD and SolidWorks software.
- Tested electrical components in products to ensure specification compliance, and documented and resolved bugs.

Electrical Engineer Intern - Company / Location

September 2018 – October 2020

- Assisted lead mechanical and electrical engineers with engineering analysis/testing, part assembly/design, final testing, proof of concept procedures, and HMI/PLC programming.
- Collaborated with the research department to expand and refine plans for project development
- Teamed with other engineers and interns to design and build integrated process control systems for data communications, lighting, and power (emergency, life safety, critical).
- Applies Revit and AutoCAD knowledge in generating plan drawings and schematics.
- Performed troubleshooting and diagnostics on malfunctioning equipment, systems, and components.

Project Experience

- Performed risk analysis and formulated detailed reports for 5+ project proposals.
- Completed Relay Diagram AC, Single Line Diagram, and DC schematic for 115KV substation breaker replacement.
- Developed and submitted a design for a plumbing system that can prevent wasting over 1 million gallons per year of partially treated water.

Education

Bachelor's Degree in Electrical Engineering Minor in Mechanical Engineering -

Capital University

2017

DEPARTMENT - SCHOOL

May 2009

- GPA: LIST
- AWARD
- AWARD

Skills

Expertise

- CAD, CAM, CAE, MS Office
- Equipment knowledge
- Control system development

Licenses & Accreditations

Licenses Licenses & Accreditations

- Certified Energy Manager (CEM)
- CAD and Digital Manufacturing Certificate
- EPA Amusement Operators Safety Certification