Karl Doudy Angrand

Professional Engineering Intern with a year of internship experience at Medical Technology Company. Focus on Product development and circuit board testing and troubleshooting.

Education

2014-2017

Associate of Arts: Physics

Harrisburg Area Community College - Lancaster, PA
GPA: 3.96

2017-2020

Bachelor Degree: Electrical Engineering

York College of PA - York, PA
GPA: 3.82

Work History

2018- Summer

Electrical Engineering Intern

RMF Engineering, York, PA

- Developed wiring and panel diagrams for control panels using AutoCAD.
- Created drafts and blueprints in CAD & REVIT following Clients technical specifications.
- Performed design process for renovations and modifications of existing products.
- Designed 2D and 3D illustrations from technical specifications and architectural plans as per the sketches
- Converted hand sketches into detailed drawings.

2019- Present

Professional Engineering Intern

Becton Dickinson, Sparks, Maryland

- Diagnosed Focal Point Circuit Board.
- Troubleshooting Printed Circuit Board.
- Debugging hardware with PuTTY serial Communication.
- Supported Diagnostics Systems Products.

2015-2017

Tutor

Harrisburg Area Community College, Lancaster, PA

- Assist, evaluate, motivate, develop and integrate students learning.
- Communicate and build a rapport with students.
- Offer personal support on a range of topics that might include academic difficulty, emotional and social problems, illness or a traumatic life event.

Contact

Address
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Phone
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Skills

Java, Python, C, Eagle, Tina, MATLAB, VBA, Linux, Cadence/OrCad, PLC, SolidWorks, AutoCAD

Coursework

Design & Analysis of Digital/Analog Circuits, Signal Processing, System modeling & Analysis, Power Systems, Power Electronics.

Languages

French (Fluent) , Spanish, (Understand), Haitian Creole (Fluent)

Engineering Projects

2017-04

Capstone Design I & II | York College of PA

- Worked as part of an engineering team to build a radio Telescope
- Designed, built PLC Electrical Panels and Wiring.
- Developed Linux Scripts and Javascript Code (BeagleBone Black).
- Developed test modules with Python
- collaborating with systems, software, mechanical, manufacturing & quality engineers to: determine hardware requirements for systems
- Determine hardware architectures; develop hardware designs; document firmware & hardware (schematics & fabrication drawings for custom circuit)
- Develop engineering test requirements and unit/subsystem/system test plans; and perform hardware test & system integration.

2019-07 - 0001-01

Electrical Engineering Design|York College

- Created a lighting device for a hypothetical third world customer as part of an engineering team
- Researched potential project designs and tested research using lab equipment.
- Designed, built and documented both the prototype and final product.

Interests

Web Developer
PCB Design
Hardware & Software Design

Affiliations

Member IEEE , 2019 to Current
Member MhatriX NG, Haiti