

Rachal Huels

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EXPERIENCE

05/2019 – present

O'HARA LLC

Dallas, TX

Electrical Engineer / Electronics Engineer

- Knowledge of embedded control software, software development processes and serial communication protocols
- Familiar with safety standards for automotive industry
- Knowledge of software requirements definition, change management, and verification techniques
- Experience in specifying, mechanizing, integrating, and testing of DC to AC inverter motor drives and controls
- Strong product engineering experience and working knowledge of manufacturing processes and capabilities
- Engineering experience in a manufacturing industry
- Strong knowledge base of engineering theories related to designated engineering function and applies those theories to a variety of complex tasks and situations
- Experience with power semiconductor selection and testing

10/2013 – 12/2018

GOTTLIEB-WILDERMAN

Dallas, TX

Electrical Engineer / Electronics Engineer

- Experience with 230/460/575VAC multi KW power conversion such as motor drives
- Experience in mixed-signal embedded hardware design including signal conditioning for highspeed/precision signals in a power conversion setting, signaling across multiple insulation boundaries, and gate driver power supplies
- Proficient with circuit modeling/simulation tools
- Experience designing to 3rd party (UL/CSA/CE) standards
- Frequent outside contact with customers and suppliers
- May travel to support new business development and customer maintenance and travel to other KUAS locations
- Chartered Engineer status preferred or meeting the requirements to apply
- Electric Health and Safety compliance
- Theoretical understanding and analysis of electrical and electronic circuits
- Simulation tools of power electronic circuits, such as Matlab-Simulink and PLECS

EDUCATION

PARSONS THE NEW SCHOOL FOR DESIGN

Bachelor's in Electrical Engineering

SKILLS

- Draws up the program of activities for own area of responsibility
- Assigns parts to staff and third parties
- Issues guidelines /information
- Agrees with cooperating bodies on choice of resources / technologies
- Bears responsibility for the execution
- Bachelor of Electronic and Electrical Engineering or equivalent
- 3+ experience in Manufacturing Engineering with emphasis on electrical systems, fabrication and/or installation planning
- Good knowledge about electronics / embedded SW development
- Good knowledge in programming (Python, Javascript/Typescript)
- Good knowledge in agile SW development way of working including continuous integration / continuous delivery / continuous deployment
- Basic knowledge of vehicle communication protocols (J1587, J1939, CAN, UDS, etc.)