

My name is Scott Hill and I am formally applying for the partial year Board appointment as a Trustee. I am a U.S. citizen and a registered voter of the Lake Orion Community School district. I am applying for this position as a way to serve my community and local school district. My wife and I have been residents of Lake Orion for 13 years, we have three daughters ages 8, 5, and 3; all three will be enrolled in LOCS and I could not be more excited to see them grow and flourish in our superb school district. I believe parental participation in school district administration is critical and the opportunity to join the LOCS Sexual Education Advisory Council this past year has only reinforced that notion. I recognize the responsibility this board has in overseeing this significant aspect of our community and I believe it is essential our community's values continue to be reflected in our schools.

Sincerely,

Scott Hill

Attachment: Resume

# Scott Hill

## Work Experience

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### **Electrical Engineer**

*Program Management Office – Stryker Brigade Combat Team (GVSC)*

November 2008 - Present

*Warren, MI*

- Utilized the Lean/Six Sigma principle of reducing variation with the architecture and design approach of the electrical power distribution system of the Stryker DVH-A1 vehicle as well as the In Vehicle Network (IVN-2) upgraded vehicle network architecture. As a result, common Line Replaceable Units (LRU) are used throughout the power distribution system and the IVN-2 architecture includes interchangeable displays with industry standard interfaces, software will be developed with non-processor and operating system specific requirements derived from the PM-SBCT IVNA (In Vehicle Network Architecture) specification.
- Support for programs of record requesting Stryker data related to electrical power margin and circuit breaker allocations, enabling the proper electrical power requirements to be used to evaluate candidate systems for future Stryker integration.
- Provided technical contributions to the power generation and distribution system design modifications resulting in , the overall electrical generation and distribution system to utilize more mature technology; fit within allocated space claims and be more affordable than the Stryker vehicles legacy power distribution system.
- Supported the obsolescence task supporting the development of a Squad Leader Display replacement (SLDv3) leveraging the Army Working Capital Funds to fund the software development, hardware design and qualification, and production and retrofit installations of a new display and computing resource to support vehicle operation.
- Lead engineer for the Enhanced Power Distribution Unit (EPDU) upgrade (EPDU-2), this includes redesigns of the main circuit card assembly and internal communication bus to support additional power system configuration data storage and enable modular expansion of power distribution capacity for DVH-A1 vehicles.
- Lead engineer for the EPDU Root Cause Corrective Action (RCCA) assessment for a laboratory failure of an EPDU. As a part of the RCCA safety improvements including pressure sensors and relief valves have been included in the EPDU-2 upgrade design and a replacement lid retrofit kit has been developed for existing DVH-A1 vehicles.
- IPT (Integrated Product Team) lead for IVN-2 and SLDv3 efforts. The purpose of this IPT is to ensure proper coordination between GDLS, PM SBCT, and CCDC GVSC VEA engineering teams working on common hardware and software components for the IVN-2 architecture development. This has resulted in opportunities to reuse components for current VDT and VDET replacement activities (SLDv3) and reuse IVN-2 specific hardware and software components for other PM SBCT engineering activities have been identified and implemented, as well as identify additional Stryker platform integration effort dependencies on IVN-2 and manage accordingly.
- Participated in the development of the following design documents: “Stryker Family of Vehicles Engineering Change Proposal System Performance Specification” Subsystem Performance Specifications: “Electrical Power Generation and Storage Equipment”, “Electrical Power Distribution Equipment”, and “Processors Controls and Displays Subsystems”

### **Instrumentation and Controls Level 2 Engineer**

*Sargent and Lundy LLC*

February 2007 - November 2008

*Chicago, IL*

- Member of design team installing environmental control equipment, flue gas fans, and distributed control systems in fossil power plants
- Developed Boolean logic diagrams for automatic operation of material handling systems through the actuation of valve lineups, pump operation and feedback from flow and pressure transmitters distributed throughout material handling systems and provide system status to control room operators.
- Reviewed vendor documents including logic diagrams, control description, piping and instrumentation drawings, instrument and I/O lists against specifications provided by the client power plant.
- Ensured schematic diagrams of motor control centers and solenoid operated valves met logic criteria.
- Managed instrument and I/O databases using Microsoft Access and Excel.
- Aided in the development of instrument specifications and prepared datasheets for pressure, flow, and level transmitters as well as thermocouples and RTDs.
- Prepared control system description summarizing flue gas control requirements and fire protection procedures and presented logic design and operating principles to clients during in on-site design reviews.

## Education

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### **Master of Business Administration**

*Lawrence Technological University*

July 2015

*Southfield, MI*

### **Bachelor of Science, Electrical Engineering**

*Michigan State University*

December 2006

*East Lansing, MI*

## Technical Skills

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**Engineering Tools:** LabView, Matlab, Simulink, C++, PSpice, Visual Basic, Unigraphics, AutoCAD, Microsoft Visio, CNC and PLC programming

**Project Management:** Jira, Microsoft Project, Microsoft Teams