

KEVIN LAMOTHE

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EDUCATION

University of Manitoba, Winnipeg MB
Bachelor of Science, Electrical Engineering

2017

SKILLS

Programming	C#, C++ SQL, Matlab, Python
Hardware Design	Cadence CIS, Allegro PCB Designer
Development Tools	Visual Studio, STM32Cube, GIT, JIRA, Confluence
CAD Tools	Solidworks, Solidworks Electrical, AutoCAD

WORK EXPERIENCE

Holley Performance Products Canada
Electronics Test Engineer EIT

2017 - Present

- Completed design verification testing of new product development for EFI (electronic fuel injection) applications. Responsible for qualifying new designs with initial electrical in circuit testing, mechanical vibration tests and burn in tests.
- Designed analog and digital circuits for functional tests used in manufacturing. Circuits were designed to fully test each product to ensure all inputs and outputs meet designed specifications before final assembly.
- Completed documentation for product life management cycle. Required defining test specifications, completing bill of material, test fixture wiring and assembly instructions and manufacturing work instructions.
- New product development. Completed research on existing products with ageing functionality and components near end of life. Responsible for designing updated products with functions inline with our existing product lineup. Included circuit design, PCB layout, prototyping and qualification testing for releasing to manufacturing.
- Software development for manufacturing test applications. Used C# and the .NET framework to develop WPF applications to deploy device firmware and perform functional tests for mass production. Applications were developed to provide a simple interface and give meaningful feedback to operators on each test step.

Manitoba Hydro
Technical Support - Student

2011 - 2016

- Responsible for project document control using established document management systems. Maintained a construction drawing set and updated with field revisions throughout the project as well as revised drawings from designers and external contractors.
- Conducted project audits to establish work completed against project milestones. Required site visits to document contractor progress across Manitoba to be reported to project stakeholders.

AFFILIATIONS

EGM

2015 - Present

IEEE

2015 - Present

IEEE Canadian Foundation Scholarship Recipient

2016