

Michael Gverzdys, M.Sc., B.Eng., B.Sc., EIT

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Summary of Qualifications

Automation specialist with project management experience looking to return to technical role.

Education

M. Sc. Electrical Engineering (Power Systems), University of Western Ontario, 2015

B. Eng. Electrical Engineer, University of Western Ontario, 2013

B. Sc. Physics, University of Western Ontario, 2013

Experience

2016 – Present. Jr. Project Manager with Kinectrics Reverse Engineering, managing projects with quality ranging from Z299.4 to Z299.1 valued at \$50k to \$2M.

2016. Assistant Project Manager with Kinectrics Inspection and Maintenance Major Projects, working with projects under N285 valued at > \$10M.

2013-2015. Master of Engineering Science, Design, Implementation, and Verification of a Reactor Protection System Using HFC6000.

2012. NSERC I-USRA Researcher, designed, fabricated, and tested custom electronics using COTS components.

2011. Engineering Cooperative in Imperial Oil Sarnia Power and Maintenance division.

Conference Presentations and Publications

- *Design, Implementation, and Experimentation of Reactor Protection System using HFC6000.* NPIC-HMIT Conference Proceedings. March 2015.
- *Design, Implementation, and Experimentation of Reactor Protection System using HFC6000.* NPIC-HMIT Conference. Feb 23-26, 2015. Charlotte, North Carolina.
- *Verification and Validation of Nuclear Safety Systems through Implementation on Physical Simulator.* UNENE Annual Conference. Oct 24, 2014.

Expertise

- PLC Programming (STL, Ladder)
- Matlab (Simulink, SISO, FDA)
- Microsoft Access DBM
- Eagle Cadsoft
- Relay Coordination
- SAP Project Planner
- Kalman Filtering
- PID Control
- Altium Designer
- Loop Control Systems