Kelvin Hall P.Eng. M.Eng.

https://khall1987.github.io/

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EMPLOYMENT

Ion Code Engineering	**Kamloops, British Columbia**
Automation System Designer, Engineering Department	Jan. 2015 – Present

- Automation System Designer with Iron Code Engineering, operating as the main point of contact between the company and clients on projects. Iron Code is a medium sized control system integration company mainly servicing in the natural resources sector with a strong focus on softwood lumber mills, and open pit mining.
- In this position I lead teams to complete the required Electrical Design, Part Selection, Network Layout, PLC programming, HMI design, Camera and other specialty devices integration, third party communication, data gathering and analysis, on site commissioning, and project follow up.

McMaster University	**Hamilton, Ontario**
Textbook Solution Author, Cognitive Systems Laboratory	Sep. 2013 – Sep. 2014

- Created official solution manuals for textbooks on adaptive filtering and digital communication. Worked with Publishers and textbook author to create value added literature.

EDUCATION

McMaster University	**Hamilton, Ontario**
Masters of Engineering – Computer and Electrical Department	Nov. 2014

- **GPA:** 3.96 / 4.0
- Specialized in adaptive control analysis and implementation with a focus on adaptive filer theory for use in adaptive control situations.

Lakehead University	**Thunder Bay, Ontario**
Bachelor of Engineering – Electrical	Jun. 2013

- **GPA:** 3.9 / 4.0
- Focus in control systems and industrial electronics

British Columbia Institute of Technology	**Burnaby, British Columbia**
Associates Degree – Mechatronics and Robotics Technologist	Jun. 2010

- **GPA:** 3.82 / 4.0

Associates Degree – Wireless Communication Technician	Jun. 2008

- **GPA:** 3.95 / 4.0

Certificate of Completion – Electronics Technician Common Core	Jun. 2007

- **GPA:** 3.92 / 4.0

SKILLS and CERTIFICATIONS

Technical Skills: System design, PLC programming (Allen Bradley ladder logic & structured text, some Siemens), HMI programming (FTView ME, SE, C-More, and Ignition), SCADA, Drives (PowerFlex, Kinetix, Mitsubishi, Yaskawa), Electrical Drafting (AutoCAD, Draftsight, SolidWorks), Visual Basic Programming, Vision System Design (IFM, LMI, Cognex), Project Management, Safety Systems, Network Layout, Robotics (ABB, Yaskawa, Fanuc, Universal)

Certifications & Training: see https://khall1987.github.io/ for partial list of training completed. Registered with EGBC