



TREVOR BLACK

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Social Media

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Education

St. Lawrence College – Kingston ON
Electronics Engineering Technology

Certifications

DACETT

Layout Designer Certificates

E.E.T. Diploma

C.P.R. First Aid (level C)

Health & Safety Awareness Training

Summary

Electronics Engineering Technologist with several years of industry experience & training, DACETT certification, and various achievements, scholarships & awards.

Employment

Logical Innovations Network (LIN) – PCB Design Engineer & Founder - London ON

- Provides 'state-of-the-art' PCB design services for industry clients.

Vision Circuit Technologies – PCB Layout Designer - Ottawa ON

- Revised schematics & layout designs for high-technology clients.

W.R. Davis Engineering – Electronic Engineer - Ottawa ON

- Built several MCU's & power cabinets for a Segmented Wave Generator in South Korea.

Absopulse Electronics – Electronic Technologist - Ottawa ON

- Manual placement & soldering of Power Supply & Light Conversion circuits.

Mentor Graphics – Applications Engineer - Mississauga ON

- On-site Consultant & Technical Support Adviser for Ottawa & GTA high technology clients.

Achievements

- Designed & Assembled (4) Master Control Units (MCUs) and (7) Power Cabinets used for South Korea's Segmented Wave Generator (SWG) – W.R. Davis Engineering
- Revised dozens of layouts & schematic designs for Ottawa high technology clients – Vision Circuits
- Manual Placement & Soldering of Power Supply and Power & Light Converter circuits - Absopulse
- Designed PCB revisions for the UAV Aircraft Control & Failsafe Management System – L.I.N.
- Arranged old schematics into logical hierarchy blocks for troubleshooting & analytical purposes – L.I.N.
- Reduced PCB board size by 40% to fit into a smaller case enclosure – L.I.N.
- Increased layout from 4-layer to 6-layer routing to improve board power convention – L.I.N.

Areas of Specialization

- **PCB Design Software** – Altium Designer, Cadence Allegro, Mentor PADS & Expedition, EAGLE, Pulsonix, DesignSpark PCB, IPC Library Expert
- **3D Mechanical Software** – DesignSpark Mechanical, CADopia InteleCAD;
- **Engineering Software** – Digital Signal Processing (DSP), Maple, Matlab, Borland C++
- **Operating Systems** – Windows 7 & 10, Linux, Android, iOS, MacOS

Awards

- Millennium Scholarship – Parliament of Canada
- Academic Awards – St. Lawrence College
- Most Improved Player Award – St. Lawrence College Men's Basketball Team
- Athletic Scholarship – H.B. Beal High School Senior Boys Basketball Team