



# Brian MacDonald

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 <https://arch-web.github.io/Brian-MacDonald-Web-Portfolio/>  
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## NETWORK SECURITY PROFESSIONAL

with a history of striving to improve the availability, confidentiality and integrity of an organization's data resources.

## CERTIFICATIONS

- ▣ CompTIA Network+ February, 2018
- ▣ CompTIA Security+, Expected February, 2018

## QUALIFICATION SUMMARY

- |                                       |                           |
|---------------------------------------|---------------------------|
| ▣ IT Administration/Support           | ▣ Project Management      |
| ▣ LAN Management                      | ▣ Process Improvements    |
| ▣ Certificate Management              | ▣ Data Analysis           |
| ▣ Active Directory Directory Services | ▣ Investigation Reporting |
| ▣ Intrusion Detection, Prevention     | ▣ Needs Analysis          |
| ▣ Website Management                  | ▣ Operations Management   |
| ▣ Website Development                 | ▣ Coaching/Training       |

## TECHNICAL COMPETENCIES

- ▣ Familiar with Wireshark, Nessus, Windows Server 2012, Snort, InSIDDer and virtualization.
- ▣ Familiar with Atom.io as well as languages such as HTML5, CSS, Sass and macro programming.
- ▣ Knowledge of cyber security, risk management practices, security architectures and tools.
- ▣ Familiar with securing applications and data protection techniques.
- ▣ Familiar with security forensics, vulnerability assessment and policy implementation.
- ▣ Hardened SOHO network for WLAN security.
- ▣ Built a desktop with a RAID 0+1 hard drive array.

## INFORMATION TECHNOLOGY TRAINING

New Horizons Computer Learning Center  
Livonia, Michigan  
**CompTIA Network+ and Security+ Certification Course**

October 2017 – January, 2018

## EXPERIENCE & EXPERTISE

International Trucking School, Canton, Michigan  
**IT Administrator/Operations Manager**

2013 – 2017

- ▣ Managed company-wide computer and printer issues and installations, reconfiguring network and solving issues with equipment connectivity utilizing Spiceworks network monitoring software in order to optimize bandwidth usage and maintain computer related work flows.

## **EXPERIENCE & EXPERTISE con't**

- ▣ Worked extensively with Microsoft Excel to predict future expenditures and their impact to cash flow based on fixed and variable costs and planned revenues, providing the company the ability to maintain positive cash flow and a healthy balance sheet.
- ▣ Employed Microsoft Office applications to report status of bank accounts and accounts payable and receivables, providing executive leadership with usable data to make efficient financial decisions.
- ▣ Restructured training curriculum and school operations to accommodate the recent changes in the requirements of the State of Michigan and third-party road examiners. The restructuring resulted in clients receiving more valuable behind-the-wheel time without increasing the overall length of the program, resulting in a reduction in exam failures and less school expenses in extending training and additional exam fees.
- ▣ Developed opportunities for expanding company operations and other revenue streams through negotiations with various funding sources, locating programs to expand the lending and payment options for our customers in order to enhance company revenue.
- ▣ Influenced higher performance of book keeping staff, instruction and student recruiting staff to ensure integrity of class operations, job placement, financing, and overall logistical aspects of company operations.
- ▣ Educated all staff on compliance with regulations pertaining to the operations of a transportation related business to ensure the safety of the customers and the instructional staff.
- ▣ Worked with varying size and complement of teams to engage clients in needs analysis to determine clients' necessities and which solutions would best satisfy those needs.

TTL Associates, Inc., Toledo, Ohio

2008 – 2013

### **Geotechnical Engineer**

- ▣ Project Manager for geotechnical investigations for various types of structures including roadways, bridges, shallow and deep foundation structures, sewage and drainage systems, water retention and detention systems, retaining walls, power structures, and manufacturing facilities to provide clients with geotechnical related construction recommendations.
- ▣ Managed project elements including drilling operations, sampling intervals, testing regimens, and client contacts to provide the client with project specific requests.
- ▣ Created proposals for clients for estimates of project expenses, including billable hours for staff and engineers, equipment and materials, as well as overall time frames for project completion and staff processing, providing the company a basis for project expenses and revenue.
- ▣ Analyzed large sets of data, performed engineering calculations and created reports detailing investigation findings for various private and government clients ensuring cost effective construction and safety of projects for clients.

## **EDUCATION**

Michigan State University, East Lansing, MI  
Bachelor of Science in Civil Engineering, 2002

## **VOLUNTEERING**

Livingston County Habitat for Humanity, Brighton, MI  
Frequent Staff Volunteer, 2017-2018