# DAVID HERRINGTON

3A Honours Management Engineering
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## SUMMARY OF QUALIFICATIONS

- Strong knowledge of Excel/VBA, AutoDesk Inventor, AutoCad, and Process Analysis, MS Office
- Experience with Java, Python, HTML, CSS, MATLAB, Simulink, SolidWorks, R, and SQL
- Design experience with Adobe Illustrator and Photoshop utilized in past work experiences
- Experienced with project organization, data analytics and time management through security administration

## PROFESSIONAL EXPERIENCE

**Process Engineer**, North Star, St. Thomas, ON                                     **Sept - Dec 2018**

- Performed in-depth analysis of assembly lines, using Autodesk Process Analysis to evaluate flow
- Produced detailed models of parts and layouts of lines with Autodesk Inventor and AutoCad
- Utilized VBA to automate data collection and sorting, creating line balancers and layouts
- Collected temperature values to solve heat transfer problems using Thermodynamic processes
- Used hands-on background to design and assemble 5S Boards and Inventory Flow Racks

**Head Teaching Assistant**, University of Waterloo, Waterloo, ON                     **Jan 2018 - Present**

- Provided marking, instructional and personal support to 870 enrolled students for PD21 and PD1
- Provided mentor support to students through critiques and online assistance
- Created and implemented two Excel documents to improve efficiency using VBA
- Rehired as a part-time marker, responsible for marking roughly 90 student assignments per week

**Security Administrator**, TDSB, Etobicoke, ON                                     **May - Aug 2017**

- Assessed vendor pitches and presented findings and suggestions to upper management
- Documented and researched numerous security incidents; constructed multiple RFQs
- Designed multiple posters viewed by 240,000+ students on Illustrator

**Internal Infrastructure Specialist**, T4G Limited, Toronto, ON                     **May - Dec 2016**

- Worked as a team member on Active Directory, SharePoint and Exchange server management
- Operated a help desk for all employees, the first line of contact for all IT-related issues companywide
- Built and deployed all hardware and software companywide (laptops, phones, programs, imaging)

**CNC Machinist**, Sherwood Cabinetry, Mississauga, ON                               **2013-2015**

- Operated a triple axis Thermwood CNC Machine using Qcore Super Control and eCabinet Software
- Handled tooling, maintenance, configuration, error handling, adjustment and support of machine

## EXTRACURRICULAR WORK

**Entrepreneur**, [SeerSolutions.online](SeerSolutions.online), Waterloo, ON         **2017 - Present**
- Developing a product for the hair industry; currently in testing stages

**Vehicle Dynamics Engineer,** WATonomous, Waterloo, ON                              **Sept - Dec 2017**
- Assisted as a core team member to simulate vehicle dynamics using Simulink

## INTERESTS Include Investing, Automobiles, Snowboarding, Football, Entrepreneurship