David Herrington

Honours Management Engineering

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Professional Experience

Product Specialist | GoFleet | Mississauga, ON   *Sept – Dec 2020*

- Duties to include research, design, development, and strategizing for new IoT solutions

Technical Sales Engineer | Top Hat Robotics | Kitchener, ON   *Jan – Apr 2020*

- Utilized targeted sales data to improve reply percentages on campaigns by 230%
- Pitched new business idea to CEO for companies' autonomous robots and successfully pivoted summer operations for all robots.
- Presented idea to 15 towns and cities across Ontario, leading to a **300% increase in sales**

Process Improvement Analyst | Wellwise| North York, ON   *May – Aug 2019*

- Assigned Project Manager of CPAP Trial Pool Decontamination project
- Documented warehouse inventory processes and successfully implemented adjustments to improve efficiency of rental program while eliminating process errors
- Designed and created automatic ordering sheet with VBA, improving the picking and ordering process time at a store level ***by 500% weekly***

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

- Performed in-depth analysis of assembly lines, using Autodesk Process Analysis to evaluate flow*, **successfully justifying an $800,000 purchase with raw collected data***
- Utilized VBA to automate data collection and sorting, creating effective line balancers
- Solved heat transfer problems of vinyl lengths using Thermodynamic processes

Teaching Assistant | University of Waterloo| Waterloo, ON   *Jan 2018 – Present*

- Provided marking & instructional support to 870 students in PD21 & PD1
- Design, created, and implemented two excel documents using VBA to ***save 20 hours per week of teaching assistant wages*** (1 hour per TA for the 20 current TAs)
- Rehired as part-time marker, marking roughly 90 assignments per week

Security Administrator| TDSB | Etobicoke, ON   *May – Aug 2017*

- Created detailed Visio diagrams of important security processes
- Documented numerous security incidents and constructed multiple RFQs
- Used Adobe Illustrator to design security posters ***viewed by 240,000 TDSB students in schools***

Internal Infrastructure Specialist| T4G| Toronto, ON   *May – Dec 2016*

- Managed Active Directory, SharePoint, and Microsoft Exchange servers on a local database

Extracurricular Experience

Founder | Seer Solutions | Waterloo, ON   *2017 – Present*

- Created a prototype of a universal mechanical hair fading attachment for hair clippers

Vehicle Dynamics Engineer |WATonomous   *Sept – Dec 2017*

- Assisted as a team member to simulate vehicle dynamics with Simulink

Education

Candidate for B.A.Sc. in Management Engineering, University of Waterloo.

Next Term: 4B
Graduation: **April 2021**
Relevant Courses:

- Software Engineering
- Advanced Optimization
- Project Management

Skills

Tools:
- MySQL
- Excel
- JIRA

Data Analytics:
- Python
- SQL
- R

Frameworks
- Six Sigma
- Kanban
- Scrum

Languages
- HTML/CSS
- VBA
- Java

Design
- Adobe Photoshop
- Adobe Illustrator
- AutoCAD
- Inventor

Interests

- Automobiles (Jeeps)
- Stocks/Investing
- Weightlifting
- Travelling
- Basketball
- Football