David Herrington

Honours Management Engineering

519 501 3877
dcherrin@uwaterloo.ca
https://www.linkedin.com/in/david-herrington/

Professional Experience

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 in order to minimize risk and maximize effectiveness of dealing with security incidents
- 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
- Operated a help desk for all company employees, actively being the first point of contact for all IT-related issues and threats
- Built and deployed all new hardware and software *across 500 machines company wide*

Extracurricular Experience

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.

Term: 4A
Graduation: April 2021
Relevant Courses:

- Org. Behaviour
- Operations Control
- Project Management

Skills

Tools:

- MySQL
- Excel
- JIRA

Data Analytics:

- Python
- R
- SQL

Frameworks

- Scrum
- Kanban
- Six Sigma

Languages

- Java
- VBA
- HTML/CSS

Design

- Adobe Photoshop
- Adobe Illustrator
- AutoCAD
- Inventor

Interests

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