WILLIAM BERGMAN

D A T A   S C I E N T I S T

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EXPERIENCE

Building Automation Designer | Régulvar

DEC 2021 - APR 2023, OTTAWA, ON

- Optimized Building Efficiency: Spearheaded the design of integrated control systems, enhancing energy efficiency and security through innovative HVAC, lighting, access, and video surveillance solutions.
- Drove Product Excellence: Established and implemented rigorous technical product specifications, ensuring optimal performance and compatibility within automation systems.

Building Automation Technologist | Viessmann

SEPT 2020 - DEC 2021, WATERLOO, ON

- Unified Systems for Streamlined Monitoring: Orchestrated the upgrade and programming of numerous building automation panels across Canada, successfully integrating them into a unified MQTT-powered monitoring dashboard with Azure.
- Championed Project Enhancement: Drove continuous improvement by diagnosing and implementing enhancements on flagship projects, notably refining a laser-measured ice-leveling machine adopted by NHL rinks nationwide.

CAD Designer | SystemAir

JAN 2019 - AUG 2020, TILLSONBURG, ON

- Automated Conversion with Programming: Initiated the conversion of thousands of parts from Solidworks to Creo by innovatively crafting a Python-based software program, highlighting a fusion of CAD expertise with programming acumen.
- Revolutionized Workflow Standards: Partnered with the CAD team to devise and roll out a transformative standard for CAD drawings and configurations, resulting in a marked surge in workflow efficiency.

PROJECTS

Data Scientist | Ocular Disease Recognition

AUG 2023 - OCT 2023, BRAINSTATION

- Spearheaded the development of machine-learning-driven diagnostic models for ocular diseases, achieving early and precise identification to improve patient outcomes. Conducted comprehensive data quality checks and exploratory analysis on patient age, gender, and disease labels. Rigorously designed and evaluated various model architectures including CNNs.

SKILLS

Python, R, SQL, Hadoop, Machine Learning, Google Analytics, Azure, Git, Tableau, Solidworks, Creo, Microsoft Office

EDUCATION

**BrainStation | Diploma
Data Science**
AUG 2023 - OCT 2023, OTTAWA, ON

Conestoga College | Mechanical Engineering Technology, Robotics & Automation
SEPT 2018 - 2021, Waterloo, ON
Graduated with Distinction

PROFILE

Captivated by the potential for data to shape more imaginative, more efficient systems, I transitioned from a successful career in building automation design and technology to data science. My years innovating in automation have been a playground for problem-solving and technical execution, skills I further honed through BrainStation's Data Science Program and my mechanical engineering education. With an engineering and data science foundation, I am uniquely positioned to bridge the gap between data-driven insights and practical, impactful solutions.