David Zychowicz

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Education

Bachelor of Business Administration – Information Systems, Hons., CO-OP **Expected Completion: April 2025**
Goodman School of Business, Brock University *St. Catharines, ON*
Relevant Courses: Data Analysis and Business Modeling, Fundamentals of Database Design & Management, Systems Analysis & Design, Operations Management, Quantitative Methods for Information Systems, Introduction & Advanced Business Analytics

Professional Experience

Junior Technical Analyst Intern **September 2022 – August 2023**
Ministry of Transportation, OMSB *Toronto, ON*
- Created and served as the team lead for a 12-member Information and Analytics team which developed a solution support health dashboard using Power BI, enhancing data visualization for executive management decision-making by 60%
- Coordinated overall maintenance and support for six in-house solution applications and 250+ clients, effectively minimizing downtime and consistently ensuring seamless and reliable operations for a mission critical solution portfolio
- Developed and implemented an MS Power Automate process to streamline external vendor communication with the internal OMSB solution team and establish risk management, reducing response time for outsourced solution access requests by 70%

Experiential Learning Projects

Data Analyst **September 2023 – December 2023**
The Co-operators Insurance and Financial Services *St. Catharines, ON*
- Utilized data exploration, visualization, and pre-processing tools ensuring accurate and efficient data preparation for analysis
- Applied clustering techniques and tools for segmentation and profiling of web quotes for better targeting strategies using SAS Enterprise Miner and Excel through predictive modelling techniques, including Decision Trees, Neural Networks and Logistic Regressions, to achieve cost-effective response strategies with clients

CRM & Cloud Solutions Consultant **September 2023 – December 2023**
Carousel Players *St. Catharines, ON*
- Provided recommendations for implementing HubSpot CRM to enhance client relations, sponsorships, automate newsletters, and unify legacy on-prem data with the potential to increase client and sponsor engagement by 30%
- Recommended the adoption of a cloud solution to reduce data storage costs, increase reliability, and improve remote accessibility

Professional Development & Leadership Experience

President **April 2024 – Present**
Goodman Data Analytics Students' Association *St. Catharines, ON*
- Recruited, led, and managed an 11-member executive team, boosting efficiency by 70% through the adoption of an agile task management system, accelerating project delivery and enhancing team collaboration
- Planned various events, including two networking mixers, four guest speaker panels, six software workshops including Power BI, GitHub, R and Excel, and the "BInsightful" Power BI case competition, leading to an 80% increase in participation
- Initiated a Goodman-wide cross-association initiative by developing and presenting monthly Power BI reports, providing enhanced data-driven insights for stakeholders and improving decision-making processes across all Goodman-levied associations

Technology & Innovation Delegate **August 2024 – Present**
Goodman ACE (DECA) *St. Catharines, ON*
- Conducted weekly mock case analyses, thoroughly identifying key case trends and proactively developing strategic solutions, which enhanced overall readiness for upcoming competitive events and presentations by 50%
- Researched emerging trends and innovative industry technologies to drive informed unique decision-making

Digital Strategy Delegate **October 2023 – January 2024**
Goodman JDCC *St. Catharines, ON*
- Contributed as a pivotal member of the 2024 JDC competition's digital strategy team, recognized as the "Hardest Worker of the Week" for driving outstanding case analysis, and enhancing team recognition
- Analyzed complex business cases within a three-hour timeframe and presented implementation recommendations to company representatives within 20 minutes, refining the company's overall strategic approach and securing a national fourth-place finish

Technical Skills

Data Analysis & Visualization: Tableau, Power BI, Excel (Advanced), IBM SPSS, SAS Enterprise Miner, Python, R, ETL Process
Database & Cloud: SQL, SSMS (Queries, Normalization, Views), ERD modeling, Erwin, Lucidchart, Access, Azure, SharePoint
Software & Tools: HubSpot, eSMT (BMC ITSM / CRM), GitHub, ITIL Process, Power Automate, Visio, Word, PowerPoint, Outlook