

# Adam Szczecina P.Eng

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## PROFILE

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- Highly motivated, organized and disciplined
- Proficient in Power BI, Minitab, and Microsoft Office
- Development expertise in SQL, Python, C# and VBA
- Experience in P&ID, PFMEA & HAZOP
- Lean Six Sigma Black Belt Certification

## EDUCATION

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### University of Waterloo

*Chemical Engineering, Chemical Process Modeling, Optimization and Control  
Specialization*

2015-2020  
Waterloo, ON

Chemical engineering BAsC with additional courses in advanced process control, computational fluid dynamics and process engineering.

## EXPERIENCE

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### Paint Process Engineer / Data Analyst

*Magna International Inc.*

May 2020- Present  
Guelph, ON

Launched and managed new product launches through APQP and PPAP. Led cross functional projects to drive KPI improvements and ensure overall department success. Made data driven decisions to ultimately reduce net costs. Led process optimizations projects, improving process yields, uptime, and material optimizations. Created tools for the team to better manage BOMs, new product launches and maintain process stability.

Spearheaded Power Bi adoption by creating new & simplified reports, automatic alerts for out of control data and automated weekly process summaries. Performed statistical analysis in Minitab to understand out of control processes and facilitate root cause investigations. Created complex DOE for new material/equipment trials and ANOVA analysis for material optimizations trials.

### Project Engineer

*Mondelez International Inc.*

Co-op September 2019 – December 2019  
Hamilton, ON

Developed and secured CAPEX funding for a new recycle process to reduce scrap in the production process. Designed a new automated data collection system to track production CTQ parameters and provide SPC while ensuring information security and ease of use. Worked with multidisciplinary teams to ensure everyone's needs were met and frequently followed up to ensure project satisfaction from all key stakeholders and end users.

### Engineering Specialist

*Toyota Motor Manufacturing Canada Inc.*

Co-op September 2017 – December 2017  
Cambridge, ON

Conducted production trials, validation and analysis for new materials to reduce cost of manufacturing while maintaining quality KPI for customers. Performed in-depth data and statistical analysis to find the root cause of a production defect outbreak and tracked process changes ensuring that the outbreak was resolved in an efficient and documented manner. Created a DOE on key process variables to understand factor effects and interactions on the process and to find optimal setpoints for operation of new equipment.