

# Sinclair K. Hidajat

Chemical Engineer, EIT

☎ (647) 391 – 6600

✉ [sinclairkenrick@outlook.com](mailto:sinclairkenrick@outlook.com)

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## TECHNICAL SKILLS

- Data Analysis
- Supply Chain Management
- Project Management
- Problem Solving
- Optimization Programming
- Quality Control
- PFD and P&ID reading

## INTERPERSONAL SKILLS

- Leadership
- Team Player
- Self-Motivation
- Time Management
- Adaptability
- Detail-Oriented

## SOFTWARE

- SAP – Oracle EaM
- AspenPlus – HYSYS – COMSOL
- MatLab – Simulink – Python
- AutoCAD – Solidworks
- PHP – MySQL
- Microsoft Offices – Visio – VBA

## EDUCATION

*University of Waterloo* Sep 14 – Apr 19

Bachelor of Applied Science,  
Honors Chemical Engineer,  
Options in Management Science,  
Co-operative Program

## EXTERNAL EDUCATION

- Python (Udemy)
- Cybersecurity (Edx)
- Visual Basics (Edx)
- Supply Chain Analytics (Edx)

## PROFESSIONAL EXPERIENCES

### 1. *Production and Maintenance Analyst*

Aug – Dec 2018

[Rothsay, Moorefield, ON](#)

- Conducted data logging and analyzed daily production performance regarding materials receiving, product yields, downtimes, and Key Performance Indicators.
- Communicated the current production plans, company revenues, inventories and business development to stakeholders to ensure transparency.
- Assisted in production capital project to increase revenue by 12.4% annually.
- Administrated weekly work and resources planning, to ensure effective coordination between production, maintenance and logistics team.

### 2. *EHSS Junior Coordinator*

Jan – May 2018

[SABIC, Cobourg, ON](#)

- Supported EHSS Leaders in continuous improvement of site safety program.
- Interpreted OHSA and helped develop safety programs that resulted in highest SABIC corporate audit score (3.9/4.0).
- Assisted in critical equipment assessment and critical piping assessment using Failure Mode and Effect Analysis (FMEA).
- Worked with SAP to collect relevant data regarding production and maintenance schedule for business analysis presentation.

### 3. *Production Intern*

Aug – Dec 2016

[Nahanni Steel Products, Brampton, ON](#)

- Increased performance level 40% through bottle neck analysis and workload analysis.
- Consistently exceeded the daily target number of 1700 products per shift through self-motivation.
- Conducted various continuous improvement methodologies, such as 5S, lean production, FIFO, and workplace safety.
- Trained and supervised new co-op student for next term.

### 4. *Quality Engineering*

Jan – Apr 2016

[Ladang Kimia, Indonesia](#)

- Collaborated with colleagues in a project for Akebono; Established a plan for new electroplating line production with increased efficiency by 27% and lower cost by \$500/week.
- Performed root cause analysis and 5 whys to troubleshoot solution problems.
- Conducted quality control to customer sites to ensure good relationship.
- Maintained product verification and testing documentation that was consistent and compliant with ISO 9001 and ISO 14001.

## PROJECTS

### 1. *Smart Communities (2018)*

[Collaboration with SmartOne Solutions](#)

- Develop a SMART system that enhances comfort living
- Research solution regarding security, sustainability, and convenience.

### 2. *Hydrocarbon Absorption in runoff water (2018 – 2019)*

[University of Waterloo Design Project](#)

- Design absorption system for catch basins in the parking lot using oleophilic recycled material from used tires.

## ACTIVITY & INTEREST

Cooking, bowling, volleyball, board games, hiking.