

Sinclair K. Hidajat

Chemical Engineer

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 Sinclair Kenrick Hidajat

TECHNICAL SKILLS

- Data Analysis
- Supply Chain Management
- Project Management
- Problem Solving
- Optimization Programming
- Quality Assurance
- 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 – Rhino 6
- HTML5 – CSS – JavaScript
- PHP – MySQL
- MS Word – Excel – 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)

PROFESSIONAL EXPERIENCES

1. *Production and Maintenance Analyst*

Aug – Dec 2018

[Rothsay, Moorefield, ON](#)

- Conducted data entry and analyzed daily production performance regarding materials receiving, product yields, downtimes, and Key Performance Indicators.
- Assisted in development of process room layouts in accordance with company's 5S policy
- Assisted in production capital project to increase revenue by 12.4% annually.
- Adminstrated 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](#)

- Collaborate with EHSS Leaders in continuous improvement of site safety program.
- Incorporated safety programs that resulted in high SABIC corporate audit score (3.9/4.0).
- Assisted in Critical Equipment Assessment and Critical piping assessment.
- Worked with SAP to collect relevant data regarding production and preventive maintenance.
- Audited SABIC Cobourg plant based on company safety regulation in preparation for SABIC corporate audit.

3. *Production Intern*

Aug – Dec 2016

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

- Consistently exceeded the daily target number of 1100 products per shift.
- Conducted various continuous improvement methodologies, such as 5S, lean production, FIFO, and workplace safety.
- Completed 3+ production improvement project to increase efficiency by 36%.
- Exposed to Manufacturing environment.

4. *Quality Assurance Intern*

Jan – Apr 2016

[Ladang Kimia, Indonesia](#)

- Collaborated with colleagues in a competitive project for Akebono; Established a proposal for new plating line production with increased efficiency by 27% and lower cost by \$500/week.
- Performed hull cell analysis and titration to troubleshoot solution problems.
- Conducted quality checks to customer sites to ensure good relationship.
- Experienced with ISO 9001 and 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. *CO₂ Absorption and Stripping in Packed Column (2018)*

[Laboratorium Experiment](#)

- Investigate mass transfer and hydraulics of CO₂ absorption into monoethanolamine (MEA) solution

3. *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.

4. *Game Development (2018)*

- Using Python to create basic games like Tic Tac Toe and Blackjack.

ACTIVITY & INTEREST

Scuba diving, cooking, bowling, volleyball, board games, electroplating jewelry cleaning.