

STEPHANIE ILEKA

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SUMMARY

Recent Chemical Engineering graduate possessing 6 years of proven academic success as well as experience cultivating, managing and delivering revenue growth opportunities, establishing trusting relationships with customers. Currently seeking an entry-level Chemical Engineering or project management position.

SKILLS AND PROFICIENCIES

Program Management	LabView	MatLab
Project Management	Aspen HYSYS	Microsoft Office
Nonprofit Management	Visa Intellilink	Hawklink

PROFESSIONAL EXPERIENCE

Avocet Polymer Technologies, INC, Chicago, IL June 2019 – May 2020
Research and Development Bioengineer

- Improved sales of manufactured burn scar therapy products by 2%
- Optimized manufacturing processes for burn scar therapy ointments while maintaining EPA and FDA regulations
- Identified strategies to enhance the company's burn scar therapy

Illinois Institute of Technology, Chicago, IL September 2016 – November 2017
Research Assistant

- Aided in the design of the process used to form hydrogels in microfluidics to help clean water of nitrates and phosphates in Mexico
- Used AutoCAD to 3D print, the apparatus used for the process to form the hydrogel to encapsulate bio fluids

UIC Biomedical Research Bridges to Baccalaureate Program, Chicago, IL May 2014 – August 2014
Research Assistant

- Aided in the production of Cadmium-Free (Toxic-Free) Semiconductor Nanocrystals research under the university's Department of Chemistry
- Conducted the experiment for the toxic-free quantum dots to validate this procedure in the university's physical chemistry lab used to detect cancer without biopsy with a 100% accuracy
- Worked with Cary 300 Bio UV Visible spectrophotometer and a Fluorolog spectrofluorometer

TECHNICAL PROJECTS

Dow Chemical Statistical Quality and Process Control Analysis, 2019 Illinois Institute of Technology - Chicago, IL
Project Engineer

- Performed a statistical quality and process control analysis of the Dow Chemical company to understand the company's business process behavior

Lithium-Sulfur Batteries, 2019 Illinois Institute of Technology - Chicago, IL
Project Manager

- Developed the design specifications for an improved lithium-sulfur battery, a renewable energy alternative to lithium-ion batteries

Cumene Production, 2018 Illinois Institute of Technology - Chicago, IL**Project and Logistics Manager**

- Project Manager of Cumene Production Plant project which produced cumene used in paint thinners and baby bottles
- Member of a team that pioneered the initial stage of a cumene production plant that had 92% purity of propylene in feed and produces yearly 110,000 metric tons of cumene of 99.5% purity

Solid Municipal Waste in Malaysia, 2018 Illinois Institute of Technology - Chicago, IL**Project Engineer**

- Developed a potential solution to the massive amount of municipal solid waste in Malaysia, which is the incorporation of waste-to-energy systems

Artificial Pancreas, 2017 Illinois Institute of Technology - Chicago, IL**Project Manager**

- Project Manager of Artificial Pancreas project which produced a control system for an artificial pancreas

Simplified Wastewater Treatment Plant, 2017 Illinois Institute of Technology - Chicago, IL**Project Engineer**

- Developed a model of a wastewater treatment plant that can clean same daily volume of water as Stickney Wastewater Plant using the activated sludge process

Quality Drinking Water from Air Conditioning Condensate: Social Innovation in Developing Countries, 2017 Illinois Institute of Technology - Chicago, IL**Research and Development Engineer**

- Developed a water collection and cleaning system to trap the water from air conditioning and cold storage units, which is made available for the less privileged people in New Delhi, India through India's water distribution system
- <https://ipro.iit.edu/course/497-346-fa17/>

MIKAP, Inc, 2016 Illinois Institute of Technology - Chicago, IL**Project Engineer**

- Developed the communication plan for company products to target the medical and engineering industry
- Ensured all project documents were submitted at appointed deadline
- MIKAP, Inc is a medical supply company focusing on central lines and Foley catheters

Bag Stop, 2016 Illinois Institute of Technology - Chicago, IL**Project Manager**

- Created "Bag Stop", which was a product designed to be a wedge between your shoulder and your bag to alleviate the pressure caused by the weight of the bag
- <https://ipro.iit.edu/course/product-design/>

Other Work Experience**Illinois Institute of Technology, Chicago, IL****One Stop Assistant**

May 2017 – May 2019

- Managed the public transportation cards distribution on campus of more than 4,000 students and about \$150K on department procurement cards monthly using Ventra Chicago tracking system and Visa Intellink.
- Acted as a liaison between more than 7,000 Illinois Tech students, staff, faculty and United States community-at-large and the university to address their campus needs and issues
- Supervised high school interns working in the One Stop program during summer

Campus Life Assistant

January 2016 – May 2019

- Coordinated the management of the procurement system for over 200 student organizations using my own engineered systems as well as Hawklink and university-engineered systems
- Managed more than 300 weekly events on campus using Hawklink, Event Management System (EMS). Events span from academic speeches, general body meetings, and convention/conference travel to all arrays of social events and gatherings. Advised student organizations from the planning to execution stage of the events.
- Supervised all activity of more than 200 student organizations.

SaYes Consulting, Chicago, IL

August 2016 – December 2016

Independent Contractor

- Coordinated market research by conducting a phone survey to 2000 people
- Analyzed each survey to best understand the potential users' needs
- Performed analytics to optimize the use of the intended product to its users

EDUCATION

Illinois Institute of Technology, Chicago, IL**Master's Degree in Engineering, Chemical Engineering**

May 2019

- GPA: 3.4
- Dean's List [Fall 2016, Spring 2017, Spring 2018]
- Recipient of Presidential Scholarship and S.T.E.M Scholarship

Bachelor's Degree in Science, Chemical Engineering

May 2019

VOLUNTEER EXPERIENCE

DIY Lip Balm, 2017 - Present; Chicago, IL

- Conducts a DIY Lip Balm station at 4 different locations throughout Illinois reaching over 400 kids in DuPage County
- S.T.E.M Fair in Rice Campus, at the National Society of Black Engineers' A Walk for Education at the Illinois Institute of Technology-Main Campus and at the RUSH University's First S.T.E.M. Career Fair.
- The lip balm is made by mixing liquid shea butter, liquid beeswax and almond oil with essential oils as fragrance in a lip balm container
- Designed and implemented the lip balm activity and experiment for the first day of the Cosmetic Science Summer Camp 2018 for Girls4Science

PROFESSIONAL SOCIETY MEMBERSHIP AND LEADERSHIP POSITIONS

- Director of Communications for the National of Black Engineers (NSBE) Chicago Professionals for 2019-2022
- Assistant Programs Chair for the National of Black Engineers at IIT (NSBE-IIT) in 2016-2018
- Programs Chair for the National of Black Engineers at IIT (NSBE-IIT) in 2018-2019
- Pre-Collegiate Initiative Chair for the National of Black Engineers at IIT (NSBE-IIT) in 2018-2019
- Technical Outreach and Community Chair for the National of Black Engineers at IIT (NSBE-IIT) in 2018-2019
- Essence Banquet Chair for the National of Black Engineers at IIT (NSBE-IIT) in 2018-2019
- Facilities Coordinator for American Institute of Chemical Engineers at IIT (AIChE-IIT) in 2016-2017
- Member of Phi Theta Kappa
- Member of Society of Women Engineers (SWE)