

Emery Engineering

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Email and LinkedIn info

HIGHLIGHTS OF QUALIFICATIONS

- Experience with the design, installation, and improvement of industrial systems that integrate people, technology, materials and information
- Extensive hands-on project work involving efficiency, work design and measurement, industrial costs and controls, data management and system design
- Outstanding teamwork skills: collaborated with 11 peers in bi-weekly meetings

TECHNICAL SKILLS

Software:

- ASP.NET, PHP, Ruby on Rails and Javascript
- SolidWorks, C&HTML Programming
- Matlab, C, C++, and Fortran

Lab Equipment:

- Power Supplies and Signals, Generators, Gas Gauges and Regulators
- Probes and Testing Equipment

Certifications:

- Occupational First Aid (Level 1)
- WHMIS Training and Chemical Lab Safety

EDUCATION

Bachelor of Science in Industrial Engineering 2020

Dalhousie University, Halifax, NS

- **Relevant Courses:** Intermediate Dynamics, Strength of Materials, Thermodynamics, Fluid Dynamics

RELEVANT EXPERIENCE

Industrial Engineering Co-op

Alcon Laboratories, Hillsboro, Oregon, US January-April 2020

- Participated in inventory auto-replenishment project
- Designed improved dock-to-stock layout and process, decreasing time to customer by 10%
- Developed electronic quote sheet, resulting in increased efficiency of purchasing

STUDENT SUCCESS CENTRE

Academic Advising and Career Services

Emery Engineering

Summer Intern

Samsung Advanced Institute of Technology, Gyeonggi-do, Korea

2019

- Analyzed and verified MIMO-OFDM algorithm with Matlab Simulink
- Simulated finite word length effect of core blocks in the baseband receiver
- Optimized word length of successive interference cancellation
- Developed 'Multi-Carrier Mode Modem for IMT-2000 User Equipment and ASIC,' in the digital communication circuit team in cooperation with Samsung in Korea

RELEVANT TECHNICAL PROJECTS

Project: Circuit Design

Spring 2019

Class: Principles of Engineering

- Designed and built operational amplifier, utilizing oscilloscopes, digital multimeters, integrated circuits
- Tested input and output of different stages for desired specifications

Project: Tidal Generator Rotor Blade Manufacturing Process

Spring 2018

Class: Principles of Engineering

- Received mock client specifications for a three meter tall, helical arcing rotor blade for tidal energy production
- Investigated materials and manufacturing processes suitable for this application and design
- Consulted with the mock client to ensure the final process meets the ideal specifications

ADDITIONAL EXPERIENCE

Director of Chapter

2017 - 2019

Engineers Without Borders, Dalhousie University

- Recruited 220 volunteers, coordinated all 300 volunteers, and organized member appreciation week activities for each chapter

Member

2018

Sustainability Club, Dalhousie University

- Collaborated with Dalhousie's Sustainability Office in order to develop an assessment to measure the sustainability of the Dalhousie campus and community
- Facilitated a sustainability assessment of Chemical Engineering Department by scheduling meetings and collecting data as part of a team of three

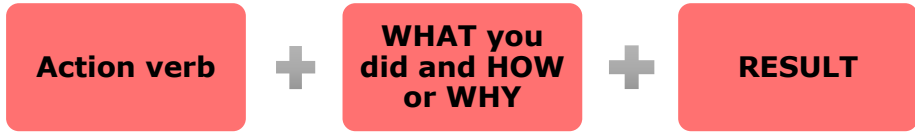


Action Statements

If you were face-to-face with an employer right now, what would you say? What skills and knowledge would you highlight? To capture your experiences and accomplishments on your résumé (and to stand out!) use **ACTION STATEMENTS**.

Tips:

- Quantify whenever possible, it adds perspective.
- Results are PROOF that you are effective.
- Avoid language such as “duties included” or “responsibilities were”; the employer wants to hear how and what **YOU** did
- Ask yourself, “What is the employer looking for in an ideal candidate?” and “How can I demonstrate that?”



Ineffective Action Statement	Effective Action Statement
<ul style="list-style-type: none"> ▪ Responsible for filling outside orders 	<ul style="list-style-type: none"> ▪ Processed corporate customer’s orders in excess of twenty thousand dollars while ensuring high customer satisfaction levels were maintained
<ul style="list-style-type: none"> ▪ Started a new program. 	<ul style="list-style-type: none"> ▪ Created and implemented a new youth mentoring program by assessing the needs of youth in the community through one-on-one interviews and focus groups which resulted in 80% participation of local high school students

Examples:

- Provided excellent customer service: assessed client’s needs, suggested products and always followed up.
- Performed study on agency effectiveness by interviewing staff and reviewing case court documents; recommended changes to manager were implemented.
- Collaborated with 12 peers to create and implement a recycling program: resulted in a reduction of paper consumption by 50%
- Resolved 25 client calls per day by responding to inquiries on various financial accounts resulting in improved client relations and decreased client complaints
- Researched and determined status of un-cashed checks and created a system to help track future unclaimed obligations which resulted in the initial savings of \$184,000 and \$20,000 annually
- Supervised and counselled 80 students on various issues from academic difficulties to peer pressure while observing strict confidentiality at all times
- Developed an application to replicate tables between databases providing the client with more power in function and flexibility throughout platforms using C and ESQL on a UNIX platform

ACTION VERBS			
Management skills	Communication Skills	Research Skills	Technical Skills
Administered Analyzed Assigned Attained Chaired Coordinated Delegated Developed Directed Evaluated Improved Increased Initiated Integrated Organized Oversaw Planned Prioritized Produced Recommended Reviewed Scheduled Supervised	Addressed Arbitrated Arranged Authored Collaborated Corresponded Developed Directed Drafted Edited Enlisted Formulated Influenced Interpreted Lectured Mediated Moderated Negotiated Persuaded Promoted Publicized Reconciled Recruited	Analyzed Clarified Collected Compared Conducted Critiqued Detected Determined Diagnosed valuated Examined Experimented Explored Extracted Formulated Gathered Inspected Interviewed Invented Investigated Located Measured Organized	Adapted Applied Assembled Built Calculated Computed Constructed Converted Debugged Designed Determined Developed Engineered Fabricated Fortified Installed Maintained Operated Overhauled Printed Programmed Rectified Regulated
Teaching/Helping Skills	Financial Skills	Creative Skills	Clerical Skills
Adapted Advised Assessed Clarified Coached Communicated Coordinated Counseled Demonstrated Educated Enabled Encouraged Evaluated Explained Facilitated Guided Informed Instructed Trained	Administered Adjusted Allocated Analyzed Appraised Assessed Audited Balanced Budgeted Calculated Computed Conserved Corrected Determined Developed Estimated Forecasted Managed	Acted Conceptualized Created Customized Designed Developed Directed Established Fashioned Founded Illustrated Initiated Integrated Introduced Invented Performed Planned Shaped	Approved Arranged Catalogued Classified Collected Compiled Dispatched Generated Implemented Inspected Monitored Operated Organized Prepared Processed Purchased Recorded Retrieved Screened