

Sarah Yeo

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An agriculture engineer with a decade of diverse work experience. Creative and driven problem solver that readily takes on new challenges and responsibilities. Skilled in communicating and collaborating with a variety of stakeholders to deliver solutions.

WORK EXPERIENCE

Can-Seed Equipment Ltd.

Saskatoon, Saskatchewan

Project Manager

November 28, 2022 – February 24, 2023

- Planning, developing, budgeting, monitoring, and reporting project ideas
- Developing drawings (Solidworks) and specifications packages for large-scale agriculture equipment projects
- Source concrete, electrical, and other installation costs
- Develop a detailed plan to monitor and track the progress of the project
- Coordinate with internal and external parties for the flawless execution of projects
- Manage relationships between clients and vendors
- Identify and resolve issues that arise
- Ensure satisfaction with customers

Schluter & Maack Canada

Balgonie, Saskatchewan

Grain Cleaner

February 21, 2022 – May 20, 2022

- Safely and independently operated seed plant to clean and significantly upgrade the quality of mustard to food grade or higher.
- Collected and graded grain samples per internal HACCAP procedures and Canadian Grain Commission (CGC) grading standards to ensure the quality and purity of the product delivered.
- Received and binned bulk grain
- Operated bagging equipment and loaded shipping containers and trucks with clean bulk and bagged products (25kg) in all weather conditions
- Ensured high-quality standards and timelines were met to meet or exceed the internal HACCAP, CGC and client requirements.

Prairie Dome Seed Potatoes

Yorkton, Saskatchewan

Harvest Labourer

September 13, 2021 – October 9, 2021

- Worked long hours in all weather conditions as a farm labourer, helping with the seed potato harvest
- Aided with hand-harvesting, performed data collection, and collected samples
- Operated conveying and sorting equipment to place the crop in safe storage conditions for winter
- Lifted potato samples (25 kg), climbed ladders and worked at heights

IntraGrain Technologies

RM of Sherwood, Saskatchewan

Product Owner (Fuel Lock)

June 1, 2020 – June 16, 2021

- Developed and communicated the technical product goals to production and development departments for successful implementation
- Collaborated with the Project Manager and Intertek to implement in house HIPOT testing and complete the ETL certification process for Fuel Lock
- Developed and performed testing for hardware, software and firmware and reported findings:
 - To contribute to informed decision making for the warranty program
 - To serve as quality control before products were released to customers
 - To contribute to iterative improvements to the customer's experience

RMIS Engineering
DraftspersonRegina, Saskatchewan
July 23, 2018 – April 3, 2020

- Developed drawings (AutoCAD) and specifications packages for roof replacement, building envelope and fall protection projects:
 - To help clients make informed decisions regarding their existing assets
 - To help ensure pertinent information related to quality and safety is conveyed during the bid and project process
- Completed and assisted with roof and building envelope assessments
- Prepared and processed project deliverables and contract documents

Batco (AgGrowth International)
Engineer-in-TrainingSwift Current, Saskatchewan
May 25, 2015 – January 25, 2018

- Designed and helped manufacture conveyor, seed treater, post pounder, and grain vacuum products using CAD (Solidworks) and ERP (M2M) software to contribute to iterative product improvements and manufacturing process improvements
- Worked closely with all stakeholders in the manufacturing process to ensure project deadlines were met
- Completed cost analysis related to manufactured products, purchased products, and facility operations to contribute to the profitability of operations at our facility

Chermik Communications Ltd.
Project CoordinatorSherwood Park, Alberta
Feb. 18, 2014 – May 15, 2015

- Oversaw ETS maintenance contract delivery to ensure the appropriate professional addressed service ticket requests promptly
- Performed quality control analysis and inspected work done by Chermik and subcontractors to ensure reliable service of the final product delivered
- Generated, reviewed, and managed drawings (AutoCAD) and project documentation to successfully meet client submittal requirements

Sprague-Rosser Contracting Co. Ltd.
Piping (Mechanical) CoordinatorK+S Potash Legacy Site & Edmonton, Alberta
2013 – 2014

- Prepared regular reports to ensure client reporting requirements were met to contribute to successful and timely billing of project
- Coordinated and communicated required materials, cost control, scheduling, drawings, and construction activities to ensure transparency of the project progress to management

CURRENT MEMBERSHIP & INVOLVEMENT**Saskatchewan Institute of Agrologists (SIA)**

- Student Member that meets the education requirements to register for the articling program

Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS)

- Constituent Society Relationships task group member
- Eligible for EIT registration and working on completing the my final requirements for P. Eng registration

American Society of Agricultural and Biological Engineering (ASABE/CSBE)

- STC-03 CASSO-SNSAC Canadian Agricultural Systems Standards Oversight committee member

Alpha Gamma Delta Female Fraternity

- Finance Advisor for Beta Gamma Chapter, Manitoba

EDUCATION**Master of Science in Seed Technology and Business**

May 2020 - Current Student

Iowa State University, Ames, Iowa

- Self-paced online program

Bachelor of Science in Biosystems Engineering

May 2013

University of Manitoba, Winnipeg, Manitoba

Continued Education Topics

January 2015 -July 2019

University of Manitoba, Winnipeg, Manitoba

- Accounting and Finance
- Agriculture, Agribusiness, IoT in Agriculture

COMPLETED COURSES

Subject	Course #	Couse Name	Grade	Credit Hours	Term Taken	Institution
CHEM	1300	University 1 Chemistry: Structure and Modelling in Chemistry	C	3	2007.1	University of Manitoba
MATH	1510	Applied Calculus 1	C+	3	2007.1	University of Manitoba
PHIL	1290	Critical Thinking	C+	3	2007.1	University of Manitoba
PHYS	1050	Physics 1: Mechanics	C	3	2007.1	University of Manitoba
ENG	1440	Introduction to Statics	B	3	2008.1	University of Manitoba
MATH	1210	Techniques of Classical and Linear Algebra	C+	3	2008.1	University of Manitoba
COMP	1010	Introductory Computer Science 1	A	3	2008.2	University of Manitoba
ENG	1450	Introduction to Electrical and Computer Engineering	C	3	2008.3	University of Manitoba
ZOOL	1450	Anatomy of the Human Body	C	3	2008.3	University of Manitoba
BIOE	2590	Biology for Engineers	C+	3	2008.3	University of Manitoba
CHEM	1310	University 1 Chemistry: An Introduction to Physical Chemistry	C	3	2009.1	University of Manitoba
ENG	1430	Design in Engineering	B+	3	2009.1	University of Manitoba
ENG	1460	Introduction to Thermal Sciences	B	3	2009.1	University of Manitoba
ENGL	1310	The Literature of War and Peace	B	3	2009.2	University of Manitoba
CIVL	2800	Solid Mechanics 1	B	4	2009.3	University of Manitoba
RLGN	1430	Food: Religious Concepts and Practices	B+	3	2009.3	University of Manitoba
BIOE	2580	Biosystems Engineering Design Trilogy 1	B+	4	2009.3	University of Manitoba
BIOE	2110	Transport Phenomena	C+	3	2009.3	University of Manitoba
CIVL	2790	Fluid Mechanics	B+	4	2010.1	University of Manitoba
CLAS	1280	Introduction to Ancient Roman Culture	B+	3	2010.1	University of Manitoba
ENG	2020	Engineering CAD Technology for Biosystems	A+	2	2010.1	University of Manitoba

MATH	1710	Applied Calculus 2	C	3	2010.1	University of Manitoba
AGRI	2200	Principles of Plant and Animal Physiology for Engineers	C	4	2010.1	University of Manitoba
MBIO	1220	Essentials of Microbiology	C	3	2010.2	University of Manitoba
BIOE	4420	Crop Preservation	B	4	2010.3	University of Manitoba
BIOE	3590	Mechanics of Materials in Biosystems	B+	4	2010.3	University of Manitoba
BIOE	4640	Bioengineering Applications in Medicine	A	4	2011.1	University of Manitoba
MATH	2120	Introductory Numerical Methods for Engineers	C+	4	2011.1	University of Manitoba
BIOL	1412	Physiology of the Human Body	C	3	2011.1	University of Manitoba
BIOE	3580	Biosystems Engineering Design Trilogy 2	C	4	2011.3	University of Manitoba
ANTH	2500	Culture, Environment, and Technology	B	3	2011.3	University of Manitoba
BIOE	4390	Unit Operations 1	B+	4	2011.3	University of Manitoba
CIVL	3710	Finite Element Analysis	B	4	2011.3	University of Manitoba
BIOE	4610	Design of Assistive Technology Devices	C+	4	2011.3	University of Manitoba
BIOE	4580	Biosystems Engineering Design Trilogy 3	C	4	2012.1	University of Manitoba
STAT	2220	Contemporary Statistics for Engineers	C	3	2012.1	University of Manitoba
HNSC	1200	Food: Facts and Fallacies	A+	3	2012.1	University of Manitoba
MATH	2132	Engineering Mathematical Analysis 2	C+	3	2012.2	University of Manitoba
BIOE	4700	Alternative Building Design	B+	4	2012.3	University of Manitoba
CIVL	4050	Engineering Economics	C+	3	2012.3	University of Manitoba
MECH	3482	Kinematics and Dynamics	C	4	2012.3	University of Manitoba
BIOE	3320	Engineering Properties of Biological Materials	B	4	2013.1	University of Manitoba
BIOE	3270	Instrumentation and Measurement for Biosystems	C+	4	2013.1	University of Manitoba
MATH	2130	Engineering Mathematical Analysis	B	3	2013.1	University of Manitoba
BIOE	4240	Graduation Project	B	3	2013.1	University of Manitoba
CATH	1190	Introduction to Catholic Studies	B	3	2015.1	University of Manitoba
ECON	1010	Introduction to Microeconomic Principles	B	3	2015.1	University of Manitoba
ECON	1020	Introduction to Macroeconomic Principles	B+	3	2015.1	University of Manitoba
ACC	1100	Introductory Financial Accounting	C+	3	2015.2	University of Manitoba
ECON	2450	Microeconomic Theory and Its Applications 1	C	3	2015.2	University of Manitoba
ECON	2470	Macroeconomic Theory and Its Applications 1	C+	3	2015.2	University of Manitoba

ABIZ	1000	Introduction to Agribusiness Management	B+	3	2015.3	University of Manitoba
AGRI	1510	Production, Distribution and Utilization of Agricultural Products	A	3	2015.3	University of Manitoba
STAT	2000	Basic Statistical Analysis 2	A	3	2016.1	University of Manitoba
BIOL	2410	Human Physiology 1	B	3	2016.2	University of Manitoba
BIOL	2420	Human Physiology 2	B	3	2017.1	University of Manitoba
MKT	2210	Fundamentals of Marketing	A	3	2017.1	University of Manitoba
ACC	1110	Introductory Managerial Accounting	B	3	2017.2	University of Manitoba
ENGL	1200	Representative Literary Works (Part A)	B	3	2017.2	University of Manitoba
ENGL	1200	Representative Literary Works (Part B)	B	3	2018.1	University of Manitoba
FIN	2200	Corporation Finance	B+	3	2018.1	University of Manitoba
ABIZ	3530	Farm Management	A	3	2019.1	University of Manitoba
AGRI	3030	Data Science 1	A	3	2019.2	University of Manitoba
BUSAD	509	International Seed Business Practices, Policies & Regulation	B	3	2020.1	Iowa State University
STB	535	Introduction to the Seed Industry	A	1	2020.1	Iowa State University
STB	536	Quantitative Methods for Seed	A	2	2020.2	Iowa State University
STB	539	Seed Conditioning and Storage	A	2	2020.2	Iowa State University
SUSAG	584	Organic Agriculture Theory & Practice	A-	3	2021.1	Iowa State University
STB	595	Quality, Production, and Research Management	A	3	2021.1	Iowa State University
STB	592	Seed Health Management	B+	2	2021.1	Iowa State University
STB	508	Accounting & Finance	A-	3	2021.2	Iowa State University
AGRON	506	Crop Genetics	C	3	2021.3	Iowa State University
STB	510	Crop Improvement	A	3	2021.3	Iowa State University
ABE	556	GIS Programming and Automation	B-	3	2021.3	Iowa State University
ENT	201	Intro to Insects	A	1	2022.1	Iowa State University
STB	543	Seed Physiology	A	2	2022.2	Iowa State University
STB	503	Information Systems	ongoing	2	2023.1	Iowa State University
STB	504	Marketing and Logistics	ongoing	3	2023.1	Iowa State University