

# 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***

Regina, Saskatchewan

**Draftsperson**

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)**

Swift Current, Saskatchewan

**Engineer-in-Training**

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.**

Sherwood Park, Alberta

**Project Coordinator**

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.**

K+S Potash Legacy Site &amp; Edmonton, Alberta

**Piping (Mechanical) Coordinator**

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

**Women in Science and Engineering (WISE)**

University of Manitoba

**Coordinator**

Winnipeg, Manitoba, Canada, (2009-2013)

- Developed and implemented girls club STEM outreach program
- Facilitated in-person school workshops and day camp programs for youth in various locations across Manitoba.

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

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

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

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

**CHEP Good Food**

Chefs in Training School Program Coordinator

**Modo Yoga Saskatoon**

Energy Exchange Ambassador

**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	B+	2	2023.1	Iowa State University
STB	504	Marketing and Logistics	A	3	2023.1	Iowa State University