

# Spencer Young

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🐙 [spencermyoung513](#) • Last updated on August 5, 2025

My research lies at the intersection of probabilistic deep learning, uncertainty quantification, perception, interpretability, and data-efficient learning. I aim to build safe, intelligent systems that not only accelerate human progress, but do so with honest and principled representations of their uncertainty. My work blends theoretical rigor with real-world deployment and has led to multiple peer-reviewed publications, as well as several impactful products in the retail intelligence space.

## Education

**B.S. in Applied and Computational Mathematics**, Brigham Young University (4.0/4.0) 2017 – 2023

## Experience

**Delicious AI**, Lehi, UT — Machine Learning Scientist 2023 – Present  
**BYU METAL Labs**, Provo, UT — Undergraduate Researcher 2022 – 2023  
**Qualtrics**, Provo, UT — Research Intern, Text iQ June 2022 – August 2022  
**Pacific Northwest National Laboratory**, Seattle, WA (*Remote*) — Research Intern June 2021 – August 2021

## Honors & Awards

Valedictorian, College of Physical and Mathematical Sciences (BYU) 2023  
Thomas S. Monson Presidential Scholarship, Brigham Young University 2017 – 2023  
5x Dean's List, Brigham Young University 2017 – 2023  
4x Society of American Military Engineers Scholarship, Seattle Post 2017 – 2023  
National Merit Scholar 2017

## Publications

### 2026

1. *Learning to Attribute Products to Prices in Retail Shelf Images*  
[Spencer Young](#), [Stockton Jenkins](#), [Luke Green](#), [Kevin Miller](#), and [Porter Jenkins](#)  
32nd SIGKDD Conference on Knowledge Discovery and Data Mining (Under Review) 2026

### 2025

2. *Fully Heteroscedastic Count Regression with Deep Double Poisson Networks*  
[Spencer Young](#), [Porter Jenkins](#), [Longchao Da](#), [Jeffrey Dotson](#), and [Hua Wei](#)  
42nd International Conference on Machine Learning (Acceptance Rate: 27%) 2025
3. *Assessing the Probabilistic Fit of Neural Regressors via Conditional Congruence*  
[Spencer Young](#), [Riley Sinema](#), [Cole Edgren](#), [Andrew Hall](#), [Nathan Dong](#), and [Porter Jenkins](#)  
28th European Conference on Artificial Intelligence (Acceptance Rate: 23%) 2025

### 2024

4. *A General Method for Measuring Calibration of Probabilistic Neural Regressors*  
[Spencer Young](#) and [Porter Jenkins](#)  
3rd Workshop on Uncertainty Reasoning and Quantification in Decision Making (at KDD) 2024

## Repositories

[delicious-ai/ddpn](#) — Training/evaluation code for various probabilistic neural regressors 2025  
[delicious-ai/price-net](#) — Training/evaluation code for learnable product-price attribution in retail images 2025  
[spencermyoung513/probcal](#) — Kernel-based conditional assessment of probabilistic models 2024  
[delicious-ai/HungarianAlgorithm](#) — Optimized implementation of the Hungarian Algorithm in Swift 2023

## Invited Talks

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### 2025

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- 1. Starting a Career in ML Research – Brigham Young University (MATH 495R) ([slides](#))

### 2024

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- 2. Vector Databases in the Wild – Brigham Young University (CS 452) ([slides](#))

### 2023

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- 3. Deep Metric Learning – Brigham Young University (CS 180) ([slides](#))

## Professional Activities

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Alumni Board Member, BYU Applied and Computational Mathematics	2023 – Present
President, Student Advisory Council, BYU Applied and Computational Mathematics	2021 – 2022

## Extracurriculars

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Aspen Chorale	2023 – Present
BYU Student Voice	2020 – 2021
BYU Men's Chorus	2017, 2020
Full-time Missionary, Church of Jesus Christ of Latter-day Saints	2017 – 2019
Math / Coding Tutor	2017 – Present