

Spencer Tye

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EDUCATION

PhD Nutrition and Metabolism, UW - Madison | Madison, WI (GPA 3.82) 2023 – Expected October 2026
Doctoral Minor in Business and Entrepreneurship (GPA 4.0)

- **Awards:** Henry Steenbock Academic Award (\$2.5K)
- **Research:** Computational integration of molecular -omic layers investigating the mechanisms of aging
- **Publications:** Performed 7 omics studies resulting in scientific articles, 5 of which were in collaboration with labs from the Mayo Clinic (Rochester), University of Wisconsin, University of Michigan, and Virginia Tech

M.S. Genetics, UW - Madison | Madison, WI (GPA 3.65) 2020 - 2023

- **Awards:** NSF-GRFP Fellow (\$138K to 13 of 12,900 applicants awarded for Developmental Biology)
- **Research:** Primary stem cell culture and real-time imaging investigating development and wound regeneration

B.S. Biology, Bemidji State University | Bemidji, MN (GPA 3.47) 2016 - 2019

- **Awards:** NHCC-Student of the Year (1/4,446 students), NIH-PREP (\$27K with 25% accepted), LeadMN-Leadership Scholarship (\$1.5K), Coca-Cola Leaders of Promise Scholarship (\$1K), John L. Tymoczko Scholarship for Achievement and Promise in Biological Inquiry (\$2K), Dr. Richard Beitzel Biochemistry Student Research Fund Award (\$500), Academic Achievement Award in Liberal Arts and Global Education (1/4,446 students)
- **Research:** Structure and responsiveness of DNA

PROFESSIONAL EXPERIENCE

Project Lead/Consultant, WiSolve Consulting Group | Madison, WI 2022 - 2026

Madison area consulting firm providing research-based recommendations to address challenging business problems

- Led 3-consultant team to map FDA biologics approval process, size the market, and identify Key Opinion Leaders supporting the client's Small Business Innovation Research (SBIR) Phase II proposal for a novel cardiology technology
- Collaborated within 2-consultant teams to conduct market sizing and segmentation for a biotech startup's SBIR Phase II grant to bring a new product to market for cell culture toxicology assays

Business Analyst & Research Consultant, Herbal Aspect | Madison, WI 2021 - 2026

Madison area cannabis dispensaries

- Developed analytical models generating actionable insights from customer and market data in highly regulated landscapes
- Advised owners on medical research to guide product development and provided insights on key performance indicators
- Designed and developed a new product, growing its category from 3% to 24% of company-wide sales and \$22K to \$185K in annual revenue, held the company's top gross sales/hour for 3 years, supported the opening of 6 new store locations

Handyman & Owner, Tye Handyman Services | Across Minnesota and North Dakota 2004 - 2019

Personal entrepreneurial projects over the 15 years prior to finishing my baccalaureate

- Founded and grew in high school from a solo venture to a 3-person team, generating \$200K+ in lifetime revenue
- Serviced 40+ clients and businesses gained through word-of-mouth by completing renovations, carpentry, plumbing, electrical, construction, landscaping, and tech repair projects

LEADERSHIP

Ombudsman | NHCC Student Senate 2015 - 2018

- Awarded Student of the Year for ending a two-decade long discrimination network within two medical programs
- Investigated reports of maladministration and mediated with administrators to resolve student issues

Editor in Chief | Northern Light Research Journal 2015 - 2016

- Awarded Academic Achievement Award in Liberal Arts and Global Education for leading the nation's first student-ran, peer-reviewed research journal at the community college level
- Built a scientific peer-review network to integrate Natural Sciences into the journal, hired and trained staff, oversaw daily operations, and developed marketing and cross-departmental collaborations

Public Relations Coordinator | NHCC Student Senate 2014 - 2015

- Awarded LeadMN-Leadership Scholarship after lobbying Congress with a team of 8, contributing to a bill securing \$142M in additional funding for Minnesota two-year colleges
- Championed student interests and fostered partnerships with LeadMN and other organizations

PERSONAL SKILLS & INTERESTS

Programming Languages: R, Python, SQL, Javascript | **Software:** AutoCAD, Photoshop, Illustrator, Fiji, Blender
Hobbies: Custom AI infrastructure, Creative writing, DIY (homemade 3D-printers and computers), Weightlifting, Cooking