

Sven McKinney

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Summary

As a Chemist with extensive experience in analytical development and cGMP quality systems, I am recognized as a Subject Matter Expert in spectroscopy (FTIR, NMR, ICP, MALS), chromatography (UHPLC, GC, LC-MS), wet chemistry, and data tools like Empower and JMP—bringing integrity, ingenuity, and insight to every dimension of scientific study. Beyond the lab, my miraculous recovery as a Survivor fuels my drive for excellence and appreciation for life. As a Climber, I rise to challenges and support others, resonating with my professional ethos. Additionally, as a Creator, I inspire innovation and cultivate visionary solutions. I am here to help others cope with suffering.

Experience

Video Life Coach - Self-hosted e-Community Center

May 2023 – Present

- **Digital Health Architect:** Built encrypted, self-hosted platforms combining full-stack development with curriculum design rooted in philosophy, enabling user-driven virtual care experiences.
- **Telehealth Facilitator:** Certified by AgeSpan in the Stanford Chronic Disease Self-Management Program (CDSMP); led Zoom sessions in clinical trials for burn survivors through the Boston-Harvard Burn Injury Model System.

The Outreach Team – Remote / Field-based statewide

July 2024 – November 2024

- **Public Engagement Specialist:** Earned promotion for proactive impact. Delivered culturally sensitive communication across New York and Pennsylvania, fostering trust and encouraging civic participation.
- **Remote Campaign Ops:** Improved QC of public forms and led full-cycle talent acquisition to complete campaigns across AZ, CA, GA, MI, MN, NC, NH, NV, NY, PA, SC, VA, and WI. Sourced, screened, interviewed, and onboarded hundreds weekly through collaborative, remote teamwork.

Regeneron - Rensselaer, NY

September 2019 – May 2023

- **Method Development:** Developed analytical methods for biologics in clinical trials and commercial products, including purity by SEC, impurity detection, assay transfers, and quality control for release testing and in-process pools.
- **Reference Characterization:** Executed qualification protocols for reference standard characterization, performing diverse assays including FTIR, peptide mapping with trypsin digestion, molecular weight and tertiary structure analysis.
- **Instrumentation & Automation:** Coordinated installation, validation, maintenance, and troubleshooting of advanced analytical equipment, automated pipetting systems, solution preparation, and laboratory data management.
- **Documentation & Compliance:** Authored GMP documents and led cross-functional collaboration to ensure edits are in full adherence to change controls, regulatory compliance, and traceability in QUMAS EDMS and Blue Mountain RAM.
- **Cross-Site Collaboration:** Enabled efficient coordination between the HQ in Tarrytown, NY, the new foreign manufacturing site in Ireland, and global vendors.
- **Training & Mentorship:** Trained and mentored new hires and peers, supporting assay transfer, method troubleshooting, and instrument onboarding.
- **Community Leadership:** Co-founded and led outreach initiatives focused on environmental and community support.

Sciarra Labs: Performed UPLC testing and validated cGMP methods for aerosol drug products. July 2019 – August 2019

Curia: Conducted quality control testing for large-scale cGMP manufacturing of APIs. January 2019 – June 2019

Minnesota December 2011 – December 2018

- **3M:** Led chemical analysis for EPA/DOT compliance for nationwide corporate incinerator operations.
- **Medtronic:** Tested medical devices in a GLP setting, documented data using ELN, SDMS, and LIMS.
- **Eurofins:** Measured colloidal composition in dairy products, including sugar content by Agilent HPLC.
- **Cantel:** Ensured cGMP quality for dialysate and sterilants shipped globally.
- **Pace Analytical:** Restructured lab space and developed water quality testing workflows.
- **Rust Consulting:** Gained legal insight into pharmaceutical industry factors.

Education

University of Minnesota - Twin Cities

August 2010 - May 2011

- Additional coursework from the college of continuing education.
- Focused on spectroscopy theory, structural analysis, and multidimensional NMR analysis.

Winona State University

August 2007 - December 2009

- Earned a four year bachelors of science in chemistry degree in 2½ years with a 3.5 GPA.