

Geoffrey Childress

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Professional Experience

North Dakota State University – Agricultural Risk Policy Center

Principal Economist, Crop Insurance Strategy and Industry Engagement

September 2026 – Current | Fargo, ND

- Help shape crop insurance research agenda and identify emerging issues in crop insurance program. Ensure ARPC's work responds to pressing questions facing producers, insureds, and policymakers.

Rural Community Insurance Services (RCIS)

Data Scientist — Crop Business Analysis and Strategy Team

November 2019 – September 2026 | Anoka, MN (fully remote)

- Development lead for MPCl expected loss ratio modeling, premium forecasting, and portfolio optimization.
- Conducted and communicated findings on analysis of legislative and regulatory proposals.
- Modeled parametric exposure scenarios under FCIC profit-sharing terms, quantifying retained loss ratio impacts and RCIS strategic positioning.
- Lead on capital allocation initiative, identifying growth priorities and translating analytics into actionable strategic guidance for senior leadership.
- Advise on private product development, including Crop-Hail enhancements, and Area Flex policy (RPP + SCO/ECO integration).

Rural Community Insurance Services (RCIS)

Analytics Consultant – Portfolio Optimization Group

March 2010 – November 2019 | Anoka, MN (fully remote since August 2011)

- Built and maintained premium forecast models for MPCl.
- Developed expected loss ratio models and optimization algorithms for retention strategy and fund designation.
- Designed methodology for flagging of high-loss-ratio agents and adjusters, supporting audit and compliance teams.
- Conducted MPCl rate impact analysis and contributed to private product pricing methodologies, such as Late Plant Option and Added Price Option policies.
- Performed empirical research on yield trends, prevented planting, cause-of-loss impacts, and late planting effects.

Rural Community Insurance Services (RCIS)***Metrics Analyst – Underwriting Department***

August 2009 – March 2010 | Anoka, MN

- Conducted statistical analyses on MPCI performance, yield trends, and cause-of-loss patterns.
- Supported actuarial research and internal product evaluation.

Rural Community Insurance Services (RCIS)***Summer Intern***

May 2006 – August 2006 | Anoka, MN

- Researched crop loss causes including disease, weather, and pests; monitored nationwide cause-of-loss trends.
- Supported actuarial and analytical teams with data preparation and research tasks.

Bailey Crop Insurance / Childress Insurance Inc.***Data Entry and GIS Mapping***

Summers 2001 – 2005; 2007 – 2008 | Towner, ND

- Entered acreage report data, verified producer information, and maintained GIS mapping.
- Collected and reviewed loss notices and policy applications.
- Early exposure to crop insurance delivery, producer decision-making, and agency operations.

Academic Experience**North Dakota State University — Statistical Consulting Office*****Graduate Research Assistant 2008 – 2009***

- Consulted on experimental design, data collection, statistical testing, and post-hoc analysis for faculty and graduate research projects.

North Dakota State University — Department of Statistics***Graduate Teaching Assistant 2007 – 2009***

- Taught undergraduate statistics labs, supported online course delivery, and led instruction for introductory statistics courses (STAT 330/331).

Education

M.S., Applied Statistics — North Dakota State University (2009)

B.S., Mathematics and Statistics (Magna Cum Laude) — North Dakota State University (2007)

- Dean's List (8 semesters)
- Phi Kappa Phi National Honor Society
- NDSU Honors/Scholars Program
- NDSU Student Senate — Senator, College of Math and Science
- NDSU Technology Fee Advisory Committee — Student Representative

Certifications

- SAS Certified Statistical Business Analyst (Regression and Modeling)
- SAS Certified Base Programmer
- SOA/CAS Exam P/1

Professional Honors

- CIRB Emerging Leaders Program (Leadership Development Program), Class of 2023–2024
- Zurich Leadership Progression Program (LPP), Class of 2026