

Ian N. Deters

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EXPERIENCE

- **Senior Predictive Analyst**, [Farmers Insurance Group](#), December 2012 – Present: I research and build generalized linear and neural network models to aid in the setting of rate relativities and addressing operational and marketing challenges.
- **Actuarial Analyst**, [Farmers Insurance Group](#), March 2015 – November 2015: I participated in the calculation of overall rate indications, the creation of base rate offset tools, needed base rate changes, the validation of data, and testing of implemented rates.
- **Programmer I**, [National Interstate Insurance Company](#), December 2011 – November 2012: I found and resolved various database problems and assisted in expanding the business intelligence database and data cube.
- **Labor Scheduling Analyst**, [Sterling Jewelers](#), July 2010 – April 2011: By analyzing data I forecasted sales and labor demands and allocated resources so as to achieve optimal field results for over 1100 stores. I also performed statistical analyses to support managerial and administrative decisions.
- **Metal Director**, [WBGU-FM](#), August 2009 – April 2010: I coordinated with record and promotions companies to promote new bands and records, managed five other disk jockeys, organized the inventory of metal CDs, and hosted a weekly radio show.

EDUCATION

- [Casualty Actuarial Society](#), ACAS, 2017
- [Bowling Green State University](#), Bowling Green, OH
Ph.D., Mathematics, 2009
- [The University Of Akron](#), Akron, OH
Master of Science, Mathematics, 2005
- [Malone University](#), Canton, OH
Bachelor of Arts, Mathematics, Summa Cum Laude, Minor: Computer Science, 2003

TECHNICAL SKILLS

- **Mathematics** – produced original mathematical and actuarial research; obtained a background in various areas of pure and applied mathematics.
- **Computer Science** – Windows, SAS Expert, Excel, Word, SQL, SSIS, SSAS, C++, JAVA, and a passing familiarity with R.
- **Communication** - Demonstrated the applications and methods of mathematical techniques to co-workers, supervisors, and students; Coordinated with record and promotions companies to promote new bands and records.

PUBLICATIONS

- Deters, Ian. “[The Mathematics of On-Leveling](#).” *Casualty E-Forum, Spring 2017* 22 March 2017. Web.
- Deters, Ian, “[Constructing polynomials of minimal growth](#)”, *Journal Of Contemporary Mathematical Analysis* **49** (2014) 117 - 125
- Deters, Ian, Seubert, Steven, M., “[An application of entire function theory to the synthesis of diagonal operators on the space of entire functions](#)”, *Houston Journal Of Mathematics* **38** (2012) 201 - 207
- Deters, Ian, “[A connection between operator topologies, polynomial interpolation, and synthesis of diagonal operators](#)”, *Journal Of Mathematical Analysis And Applications* **350** (2009) 354 – 359
- Deters, Ian, Seubert, Steven, M., “[Cyclic vectors of diagonal operators on the space of functions analytic on a disk](#)”, *Journal Of Mathematical Analysis And Applications* **334** (2007) 1209 – 1219