

Ian N Deters

Curriculum Vitae

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DOCTORAL RESEARCH

“On The Cyclicity And Synthesis Of Diagonal Operators On The Space Of Functions Analytic On A Disk”

I research the application of pure mathematics to Data and Actuarial Science. This facilitates the creation of tools to swiftly build models which are simultaneously accurate and interpretable.

WORK EXPERIENCE

CURRENT, FROM AUGUST 2018 (FT)

MedPro Group *Lead Data Scientist*

Manage four scientists / analysts, oversee the complete life of modeling projects, research and build models to aid in the setting of rate relativities, reserving, and other operational challenges.

DECEMBER 2012 – AUGUST 2018 (FT)

Farmers Insurance Group *Senior Predictive Analyst*

Lead multiple modeling efforts and created a large, project agnostic code base.

DECEMBER 2011 – NOVEMBER 2012 (FT)

National Interstate Insurance Company *Programmer I*

Found and resolved various database problems and assisted in expanding the business intelligence database and data cube.

REFERENCES

Mr. Dragos Mirza

POSITION Director Of Product Development
EMPLOYER Farmers Insurance Group
EMAIL dragos.mirza@farmersinsurance.com
MOBILE +1 (440) 749 0915

Dr. Steven Seubert

POSITION Professor
EMPLOYER Bowling Green State University
EMAIL sseuber@bgsu.edu
PHONE +1 (419) 494-2687

Dr. Craig Sloane

POSITION Senior Data Scientist
EMPLOYER Troutman Pepper
EMAIL sloanephd@gmail.com
PHONE +1 (404) 788-7793

Dr. Craig Zirbel

POSITION Professor
EMPLOYER Bowling Green State University
EMAIL zirbel@bgsu.edu
PHONE +1 (419) 372-7466

EDUCATION

2017 **Associate**
Casualty Actuarial Society

2005 – 2009 **Doctor of Philosophy**
Theoretical Mathematics
Bowling Green State University

2003 – 2005 **Master of Science**
Mathematics
University Of Akron

1999 – 2003 **Bachelor of Arts**
SUMMA CUM LAUDE
Mathematics
Malone University

AWARDS

2008 **Graduate Student Fellowship**
Bowling Green State University

2006 **J. Robert & G. Overman Scholarship Award**
Bowling Green State University

2003 **Outstanding Senior**
Malone University

COMPUTER SKILLS

BEGINNER Java, C++
INTERMEDIATE AWS Sagemaker, Python, SSIS, SSAS
Linux, Computer Hardware
EXPERT R, SAS, SQL, Windows, Excel, L^AT_EX

PRESENTATIONS

CONFERENCE Amazon re:MARS 2022
Las Vegas, NV, United States
The Mathematics Of Machine Learning
LECTURE Bowling Green State University 2019
Bowling Green, OH, United States
The Mathematical Context Of Data Science
CONFERENCE IWOTA 2008
Williamsburg, VA, United States
A Connection Between Spectral Synthesis,
Polynomial Interpolation, and Linear
Independence of Exponential Series

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