CHRISTOPHER K. MOORE FSA, MAAA

EDUCATION:

MS Statistics; University of Akron
BA Mathematics; Malone University.

PROFESSIONAL EXPERIENCE:

Assistant Professor of Actuarial Science;
Grace College & Theological Seminary; Winona Lake, IN; 8/2020 to present.

- Responsible for Actuarial Science major.
- Priced Variable Annuity Guaranteed Minimum Death Benefits on a Fair Value basis.
- Projected & evaluated different hedge-modeling approaches for the Variable Annuity block.
- Validated reserve calculation for block of Indexed Annuities; Performed quarter-end reporting.

Actuarial Consultant;
Precision Global Consulting, for Fidelity & Guaranty Life; Des Moines, IA; 9/2019 to 11/2019.

- Improvement and reorganization of an Excel/VBA-based FIA pricing model.

Guidant Global, for Lincoln Financial Group, Annuity Advanced Analytics and Valuation; Radnor, PA; 11/2018 to 7/2019.

- Priced Variable Annuity Guaranteed Minimum Death Benefits on a Fair Value basis.
- Projected & evaluated different hedge-modeling approaches for the Variable Annuity block.
- Validated reserve calculation for block of Indexed Annuities; Performed quarter-end reporting.

Randstad US, for Voya Financial, Experience Data Unit; West Chester, PA; 7/2016.

- Validated SQL Server replacement of Access database process for categorizing withdrawal data for Lifetime Withdrawal rider for VA contracts. Identified, coded, & documented needed changes.

Senior Actuary; Accumulation & Retirement Experience Analytics; Transamerica;
Exton, PA; 7/2017 to 9/2018.

- Led team of actuaries responsible for the periodic evaluation and improvement of actuarial modeling assumptions used for valuation, risk management, and pricing of Transamerica's Variable & Fixed Annuity and 401(k)/403(b) business, with focus on VAGLB-specific assumptions.
- Served as Assumption Lead for annual Assumption Unlocking review & change process. Made recommendations to senior management, and led recommendations through Governance.
- Managed improvement of processes, implementation & improvement of controls, and establishment of consistent documentation practices for review & change of assumptions.

Instructor & Director, MS Actuarial Science Program; Temple University / Fox School of Business;
Philadelphia, PA; 8/2012 to 6/2017.

- Taught courses in Actuarial Modeling, Interest Theory, and Probability Theory.
  Advised Actuarial Science students regarding career preparation & development.
- Responsible for evaluation of applicants to the MS Actuarial Science program.
  Conducted measurement & evaluation of program objectives.

Senior Actuary; Annuity Asset Liability Management; ALM Liability Modeling & Analysis;
ING US Financial Services - Retail Annuity, West Chester, PA; 5/2006 to 8/2012.

- Led team of actuaries in execution of liability modeling processes and analysis of modeling results for traditional fixed annuities and fixed index annuities for ALM, EC, MCEV, RAT, & DAC.
- Managed design & implementation of key risk controls to ensure model/process quality and review, improvement and change control of TAS models for accuracy and efficiency
- Relied upon for liability modeling expertise in model development and ad hoc analyses.

Assistant Actuary; Annuity Product Development; American National Insurance Company,
Galveston, TX; 3/2003 to 5/2006.

- Priced fixed deferred annuity products targeted for the independent brokerage market.
  Provided actuarial support for state filings and systems implementation of products.
- Used Asset/Liability models of fixed annuity inforce & new business to evaluate strategies for interest rate crediting, investment duration, and product replacement.

- Converted TAS Asset/Liability model of an SPDA to MG-ALFA software; Identified sources of differences. Customized MG-ALFA formula database, adding an MVA and Minimum CSV's.

Senior Actuarial Analyst; Life Product Development; First Colony Life / GE Financial Assurance, Lynchburg, VA; 9/1997 to 3/2003.

- Contributed to design, pricing, & implementation of UL products targeted for the independent brokerage market, and individual Term life products for use in the Group Carve-Out market.

Technical Specialist/Statistician; Safety & Safeguards/Measurement Control; BWX Technologies, Lynchburg, VA; 5/1993 to 9/1997.

- Determined Standard Error of Inventory Differences; Quantified process variances for measurement systems; Responsible for Statistical Process Control of measurement systems.

SOFTWARE & PROGRAMMING: Experienced with MG_Triton, TAS, MG-ALFA, PTS, Microsoft Excel and Access (including VBA). Programming experience in VBA, SAS, and SQL Server.