Douglas E. Newton
Senior Systems Analyst

Milliman

CURRENT RESPONSIBILITY

Doug joined Milliman in 1998 as the primary developer of the Dynamic Financial Analysis system for casualty insurers. This system is a financial modeling package that allows the actuary to stochastically analyze the variability of projected values of variables from any aspect of a casualty insurance entity and to compare those values using differing assumptions. It is fully customizable, allowing the user to insert custom algorithms, either in addition to or completely replacing the existing algorithms, using a defined subset of C++.

EXPERIENCE

Doug worked for Coopers & Lybrand for 10 years in the casualty actuarial practice. While there, Doug developed a program called Exhibitmaker (now called ReservePro and owned by Milliman), a loss reserve analysis system that has become the industry standard. He also worked on a number of specialized programming assignments for individual clients while at Coopers & Lybrand.

Doug's experience also includes a number of years outside of the actuarial field. These include four years working on a text processing application—specifically, the encoding, decoding, and search aspects. That product is now the market leader in its field. Doug also spent two years working on a point-of-sale and inventory control system for large entertainment venues such as stadiums and arenas.

Doug works on a wide range of assignments. His expertise is especially useful in assignments where performance and/or dynamic features are particular concerns.

- Expert in C++ and Delphi, including Borland's Visual Component Library
- Extensive experience using APL
- Limited experience using XML, HTML, MFC, VBA, .NET, OpenOffice API, Java, and JavaScript
- Strong object-oriented analysis and design skills
- Significant experience in compiler theory and performance analytics
- Extensive knowledge of the casualty actuarial field, particularly loss reserving and financial modeling

EDUCATION

BS, Computer Science/Mathematics, Seattle Pacific University