Mr Michael Reidy - Profile

Data Cruncher & Analyst, Symbolix Pty Ltd

Michael Reidy specialises in the design, development and analysis of data systems, to support evidence-based decision making. He is skilled in a wide range of propriety software and programming languages. His programming skills are backed up by a strong mathematical and analytical approach.

Michael works across a range of sectors and projects, providing technical, analytical and research support to Symbolix consultants and clients.

Qualifications

B.Sc. (majors in Applied Mathematics & Applied Physics), Monash University

Employment

Data Cruncher & Analyst, Symbolix. 2007-

- Data mining, manipulation, and analysis, using SQL, MS Excel and custom code.
- Provide ongoing reporting and research assistance and support to Symbolix and clients.
- Design, build, maintain and document relational databases.
- Provide IT support and systems maintenance.
- Design predictive and stochastic mathematical models.
- Build and run mathematical models and produce visualisations and reports on the outcomes.
- Visualisation of complex data and systems.
- Statistical modelling and analysis.
- Predictive and physical modelling.
- Technical writing and editing.

Laboratory/Equipment Technician, Bureau Veritas HSE (formerly Kilpatrick and Associates). 1999-2007

- Develop NATA compliant calibration methods
- On-going equipment calibration
- On-going equipment maintenance and repairs
- In-house calibration record auditing
- Hazardous materials sampling
- Occupational hygiene laboratory duties

Selected Recent Projects

Refer to www.symbolix.com.au/recent for further project descriptions

- Assessment of large daily rainfall data set from the Wimmera, examining long term climate changes in the region. Accurate animations of long term global data trends, including sea temperature and sea height. Used these for analysis and identification of underlying global patterns.
- Developed method for seamlessly integrating analytical density maps into GIS spatial systems, for analysis and reporting
- Developed automated spreadsheet application to determine the drivers for risk of avian collision with wind turbines
- Designed data capture methodologies and systems for long term environmental monitoring programs
- Statistical analysis and trend identification of the S&P500 financial index
- Literature review for assessing disclosure risks for online data dissemination
- Analysis of time series data, using spectral methods and standard statistical techniques.