**RESUME**

Actuary with a Master’s degree in Financial Management with over two years of experience as project leader and more than a year and a half of experience working in projects using SAS technology.

SAS Certified: SAS Certified Base Programmer for SAS 9, SAS Certified Advance Programmer for SAS 9 and SAS Certified Predictive Modeler using SAS Enterprise Miner 5 and 6.

*Education*

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| **Certified** | Instituto Tecnológico Autónomo de México.  Data mining technics 2010 |
| **Graduate School (Master)** | Instituto Tecnológico de Estudios Superiores de Monterrey  Financial Management 2007 – 2009 |
| **Undergraduate**  **School** | Universidad Nacional Autónoma de México  Actuarial Sciences 2003 – 2006 |

**PROFESSIONAL RESUME**

#### Abilities

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| **Profile**  **(strength areas)** | * Data mining. * Statistical analysis. * Process automation. * Business Intelligence. |

*Professional Experience*

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| **SAS Institute**  **7 - 2009** | **Position**: Analytical Consultant.  **2009 – Current**  **Functions**:  Supervised and unsupervised modeling using Data Mining, Statistical Analysis, Social Network Analysis, Quality Analysis Data, Programming Scripts, Reporting.  **Projects:**  **Social Network Analysis for fraud detection (2 – 2013).**  Objective: Define different fraud triggers and scenarios to detect tax evasion.  Configuration of the SAS SNA Server Store Processes and scenarios.  Government Institution.  Responsibilities: ETL. Set up of scenarios using SAS Management Console. SAS code writing for community definition, centrality measures, alerts and scenario definitions. Results delivery with the client. Prepare and teach a Workshop with business users in order to show them how to use and configure the SAS SNA Server Solution.  **Migration of Enterprise Miner projects (1 – 2013).**  Objective: Migration of the production projects from SAS Enterprise Miner 5.2 to SAS Enterprise Miner 6.3. during the platform migration from SAS 9.1.3 to SAS 9.2. Bank.  Responsibilities: Migration supervision, validation and documentation.  **Attrition models for Insurance (6 – 2012).**  Objective: Generation of attrition models for different insurance areas. Bank.  Responsibilities: Data extraction, ABT definition and generation, Modeling using EM, Testing and documentation.  **Social Network Analysis (6 – 2012).**  Objective: POC Support the pre-sales team in technical and business definitions in order to generate and present the results of applying SNA to clients in a mobile phone company. Telco, Manila, Philippines.  Responsibilities: SAS code generation for the community definition, the centrality measures and the role definition. Profiling communities. Results delivery with the client.  **ATM Fraud (2 – 2012)**  Objective: Generate models and define logic rules that allow to lower the fraud levels in ATMs. Banc.  Responsibilities: Data quality. Code witting. ABT Design and generation. Modeling. Process implementation and documentation.  **Credit Card Fraud (10 – 2011).**  Objective: Support SAS US and SAS Canada during a Fraud Framework POC. Bank US.  Responsibilities: Help with different duties during the POC for credit card fraud with the Fraud Framework; code writing, model development, scoring.  **Migration of Enterprise Miner projects (9 – 2011).**  Objective: Migration of the production projects from SAS Enterprise Miner 5.2 to SAS Enterprise Miner 6.2. during the platform migration from SAS 9.1.3 to SAS 9.2. Bank.  Responsibilities: Migration supervision, validation and documentation.  **Social Network Analysis (3 - 2011).**  Objective: Analysis of social networks through the call logs of cell phone users to determine their role (relevance in the network according to their interaction with other users.) Telco, Chile.  Responsibilities: Code generation for the ETL. Definition of the parameters needed for analysis. Role definition. Profitability measures. Process documentation.  **Migration of DI flows (9 - 2010).**  Objective: Migration of the approved codes by the client from the development server to the production server. Government Institution.  Responsibilities: Code adaptation for correct execution in the production environment. Design, Implementation and Testing Documentation for the release of the product.  **Social Network Analysis (7 - 2010).**  Objective: Analysis of social networks through the call logs of cell phone users to determine their role (relevance in the network according to their interaction with other users.) Telco, Guatemala.  Responsibilities: Code generation for the ETL. Definition of the parameters needed for analysis. Role definition. Profitability measures.  **Social Network Analysis (5 - 2010).**  Objective: POC related to Analysis of social networks through the call logs of cell phone users to determine their role (relevance in the network according to their interaction with other users.) Telco, Chile.  Responsibilities: Code generation for the ETL. Definition of the parameters needed for analysis. Role definition. Profitability measures.  **Data mining. (7 - 2009).**  Objective: Development of a comprehensive solution to identify risky cargo for a government institution.  Responsibilities: Supporting the ABT table generation that serves as input for the mining models. Risk detection model generation, validation and documentation. |
| **Instructor in SAS Courses** | **SAS Programming 1: Essentials**  (Mexico City, Mexico. 8 - 2010)  **SAS Programming 2: Data Manipulation Techniques**  (Mexico City, Mexico. 8 - 2010)  **Workshop: uses for the Proc OPTGRAPH for network analysis**  (Santiago, Chile. 6 - 2011) |
|  | **SAS Programming 1: Essentials**  (Mexico City, Mexico. 8 – 2011)  **SAS Enterprise Guide 1: Querying and Reporting.**  (Kingston, Jamaica. 9 -2011)  **SAS Enterprise Guide: ANOVA, Regression and Logistic Regression** (Kingston, Jamaica. 9 -2011)  **Workshop: How to use and configure SAS SNA Server.**  (Mexico City, Mexico 3 – 2013) |
| **HSBC, Mexico** | **Position: Collections Project Leader**  **2006 – 2009**  **Functions:**  Design, generation and distribution of the collection’s MIS.  Probabilistic models to increase collection efficiency.  Monthly Calculation for the collector’s bonuses. |

**PROFESSIONAL TRAINING AND CERTIFICATIONS**

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| SAS Institute | **SAS Certifications**   * SAS Certified Base Programmer for SAS9 * SAS Certified Advance Programmer for SAS9 * SAS Certified Predictive Modeler Using SAS Enterprise Miner 5 * SAS Certified Predictive Modeler Using SAS Enterprise Miner 6   **SAS Training**   * Query and reporting using SAS Enterprise Guide * SAS programming 1: Essentials * SAS Macro Language 1: Essentials * Applied Analytics Using SAS Enterprise Miner * Data Mining Techniques: Theory and Practice * Creating and Exploiting OLAP Using the SAS OLAP Studio * Solvency II * Regular Price Optimization * Fraud Framework Boot camp |
| Others | * Data bases administration. * Predictive dialer’s administration and reporting (Aspect Software, Boston MA). |

**TECHNICAL ABILITIES**

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| **Programming languages** | **Years of experience** |
| SQL | 3 |
| SAS Programming | 3 |
| SAS Macro Language | 3 |
| Unix (Shell) | 1 |
| C/C++ | 2 |
| Matlab | 2 |

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| **Solutions** | **Years of experience** |
| SAS Delivery Portal | 1 |
| SAS Web Report Studio | 1 |
| SAS Web OLAP Viewer | 1 |
| SAS Data Integration | 1 |
| SAS OLAP Cube Studio | 1 |
| SAS Enterprise Guide | 4 |
| SAS Add-In for MS-Office | 3 |
| Unix | 2 |

**LANGUAGES**

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| --- | --- | --- | --- |
| **Language** | **Reading** | **Writing** | **Speaking** |
| Spanish | 100% | 100% | 100% |
| English | 90% | 80% | 90% |