**JASON L. SETO**

Professional Experience

* **Risk and Data Analyst, Elevate – Fraud Analytics [2016 – Present]***Financial technology start-up (going IPO) with $2.6 Billion revenue and 1.3M happy customers*
  + Driving business strategy by developing the first, multi-product quantitative fraud taxonomy for 1.3M accounts
  + Laying the foundation for machine learning algorithms in an entirely new population segment by engineering 1500+ feature variables for 1.4M customers in Angoss, SAS, and SQL.
  + Utilizing SAS, SQL, Excel, and R to develop near real-time automated algorithms to detect $2.5M in potential fraud losses, and over 1000 potentially fraudulent loans in online traffic
* **Operations Research Analyst, Treasury – IRS, Office of Applied Analytics & Statistics [2013 – 2016]**

*Federal consulting practice specializing in big data analytics, and building a culture of data-driven decision making*

* + **Electronic Authentication Fraud Detection Team** 
    - Spearheaded a diverse team of analysts, cyber security specialists, criminal investigators, alongside executives to launch the first real-time analytic and mitigation strategy for combating identity theft
      * Within 3 months, built over 40 behavior patterns for machine learning and network algorithms by designing a hypothesis framework to model identity theft using SAS, Enterprise Miner, SQL, and Excel
      * Within 6 months, presented anomaly detection analysis used to uncover the most significant unauthorized access event to ever face the agency, and coordinated the first impact assessment and response strategy
      * Modeling over 1.3M cases of identity theft previously undetected by dozens of other teams
  + **Payment Card Pilot** 
    - Tackled the largest ($140Bn) non-compliance and fraud issue facing the organization by leveraging new sources of third-party data to develop analytical and statistical methods for modelling a multi-year pilot
    - Launched the agency’s first online tool to disseminate information on new tax legislation to over 300,000 individuals by leading a diverse team of programmers, program managers, analysts, and public relations officers
      * Communicated quantitative analysis of online performance to the executive cabinet (50+ directors) by developing analytic dashboards leveraging SAS, Text Miner , Google Analytics , and SQL
  + **Machine Learning, Segmentation, and Model Development** 
    - Quantified actionable insight on 50,000 operational audits across a population of over 8M people utilizing SQL & SAS Enterprise Miner to conduct regression tree analysis utilizing CHAID and logarithmic scoring models
      * Identified $400M of previously undetected transactional fraud by developing algorithms in SQL & SAS
      * Created 172 profiles of human behavior from a single transaction by leveraging clustering techniques in SQL
* **Engineering Finance Intern, Qualcomm Inc. – CDMA Technologies** **[2011 —2012]***International telecommunications company with $25.3 Billion in annual revenue* 
  + Qualcomm’s Engineering Finance, Code Division and Multiple Accesses (CDMA) Technologies Offices represent the core corporate financial analysis and forecasting team. As a Finance Engineering intern, I analyzed the largest business sector ($16Bn) of Qualcomm’s ad-hoc expense and engineering portfolio.
    - Reduced costs by over $400,000 annually through analysis leveraging VBA Macro text-mining algorithms to develop a forecast for IT expenditures
    - Increasing reporting compliance by over 70% through a reporting automation dashboard project created using Excel & Outlook VBA Macros

Educational Background

***University of California, San Diego –* Bachelors of Science (B.S.), Management Science***Provost Honors | Distinguished Senior Award* ***UC San Diego, Rady School of Management –* Rady Undergraduate Program***Supply Chain Optimization | Project Management*

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Non-Profit Service and Activities

* **Treasurer and Founding Member, Community Hope Project** **[2011 – Present]**
  + Community Hope Project creates justice, equality, and opportunity by focusing on the development of sustainable economic, environmental, and social programs. As a founding member and Treasurer, I was placed in a unique position to provide engineering and financial expertise to our organizational projects.
  + Developed a solar-powered community center, classroom, and health-clinic in Sierra Leone by leading engineering and financial research, design, and development
  + Led our organization to achieve 501.c.3 non-profit status by managing financial reporting and application
* **Event Lead and Kitchen Crew Member, Union Station Homeless Services** **[2001 – Present]**
  + Union Station Homeless Services dedicates itself to helping people rebuild their lives and end homelessness. As a long-standing volunteer, I’ve been involved in virtually all aspects of organizational planning and implementation of programs.
  + Designing and creating operational processes for large-scale charitable vents
  + Coordinated daily operations of a homeless shelter (ladle-wielding case worker, with an apron on)

Designated Honors

* IRS Senior Advisor’s Certificate of Appreciation – eAuthentication Fraud Detection Team (2015)
* IRS Service Week Recognition (2015)
* IRS Team Award – Successful Leadership and Pilot of the Payment Mix Comparison Tool (2014)
* Q-Appreciate: Qualcomm Recognition Award (2010)
* Qualcomm: Best-In-Class Supply Chain Management (2010)
* Qual-Star: Qualcomm Employee Excellence Award (2010)
* Apron, Pasadena Homeless Services (2011)

Technical Skills

* Programming
  + HTML (4 YEARS)
  + Microsoft: Visual Basic (VBA) (6 YEARS)
  + R Programming (1 YEAR)
  + Structured Query Language (SQL) (3 YEARS)
* Data Visualization Tools
  + Google Analytics (1 YEAR)
  + Tableau Professionals (1 YEAR)
* Full Microsoft Suite Proficiency
  + - Excel, Access, Word, PowerPoint, Outlook
* Analysis, Mathematical, & Statistical Software
  + Angoss 8.0 Knowledge Studio
  + MATLAB: Technical Computing (3 YEARS)
  + SAS: Statistical Analysis Software (3 YEARS)
    - Base, Enterprise Miner, Text Miner, and Enterprise Guide
  + IBM SPSS Modeler (1 YEAR)
  + STATA: Data Analysis and Statistical (4 YEARS)

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