**JASON L. SETO**

Professional Experience

* **Risk Analyst II, Elevate [2016 – Present]***Fast-growing financial technology company with $4 Billion revenue and 1.6M happy customers*
  + **Data Science**
    - Managing all third-party data assets, and serving as a technical consultant among teams across engineering, strategy, and portfolio
    - Coordinating a team of developers, analysts, and programmers to create automated population stability indices in SQL and SAS to monitor over 2000 unique customer attributes to detect deterioration in quality, prevent potential fraud, and root cause performance issues
  + **Fraud Analytics and Strategy**
    - Designing, coordinating, and implementing company-wide strategies for mitigating fraud and financial abuse risk across 1.3M account holders by collaborating with product, portfolio, engineering, and legal teams
    - Utilizing SQL, Excel, and R algorithms in machine learning (CHI CART, Random Forest, Levenshtein) to design solutions to detect and prevent $2.5M fraud losses, and over 1000 potentially fraudulent transactions in online traffic over the past year
    - Mentoring and leading 2 junior analysts to design fraud detection, monitoring, and prevention tactics
* **Operations Research Analyst, Treasury, Office of Applied Analytics and Statistics [2013 – 2015]**

*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 mitigating identity fraud
      * Within 3 months, built over 40 behavior patterns for machine learning and network algorithms by designing a hypothesis framework to model identity fraud using SAS, Enterprise Miner, SQL, and Excel
      * Within 6 months, presented anomaly detection analysis used to uncover the most significant account take over event to ever face the agency, and coordinated the first impact and response strategy
      * Modeling over 1.3M cases of identity theft previously undetected by dozens of other teams
  + **Payment Card Fraud** 
    - Tackled the largest ($140Bn) fraud issue facing the IRS by leveraging new sources of third-party data to develop analytical and statistical methods (K-Means clustering) 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 investigations 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

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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