About SoKat

Human-Centered AI. ~ SoKat builds the most advanced Artificial Intelligence and Machine Learning technology solutions to unlock the hidden value of a government agency’s data. Our solutions aim to be cost-efficient, rapidly scalable, and most importantly, prioritize the human-user experience.

Next Generation Products ~ The competitive advantage of being a small business comprised primarily of leading academics and doctorate-level researchers is that we are constantly learning, growing and innovating. Rather than “move fast and break things”, our motto is “move fast and improve things”. Our end goal, of which we never lose sight, is to create advanced technology products to improve the quality of life for everyone.

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SoKat Consulting, LLC (SKT)

Description:
Established leaders from the world of Astronomy, Applied Mathematics, Computer Science, Finance, Law and Statistics. SoKat Consulting, LLC was founded by Susan An and Jim Liew in 2014. SoKat creates world-class Machine Learning / AI and Blockchain products and services primarily servicing government agencies, institutional investors, academic institutions, and select-startups.

Stakeholder(s):
SoKat Team

Susan An, Esq. : CHIEF EXECUTIVE OFFICER AND CO-FOUNDER ~ Susan was the Chief Compliance Officer of Calypso Capital Management, LLC where she served as in-house counsel to the $1 billion long-short equity hedge fund, providing legal guidance to the investment manager, senior management, and employees on Federal securities regulation. She was successful in registering Calypso as an investment adviser with the SEC. She graduated with a JD at University of Maryland Francis King Carey School of Law where she served as President of the Asian American Law Students Association.

Dr. Jim Kyung-Soo Liew : CHIEF OPERATING OFFICER AND CO-FOUNDER ~ Jim is an Associate Professor of Finance at Johns Hopkins Carey Business School and revels in pushing the boundaries of financial knowledge both as an academic and FinTech Entrepreneur. He has published pioneering research in the intersection of social media big data and financial markets. He currently teaches Blockchain, Big Data Machine Learning AI, and Leading Entrepreneurship Innovation. Additionally, he serves as the Chairman of the Johns Hopkins Innovation Factory and has received the Dean’s Award for Faculty Excellence in 2015-2018. He also serves on the Editorial Board of Journal of Portfolio Management. Previously, Jim has worked at the Carlyle Asset Management Group, Campbell and Company, and Morgan Stanley. He holds a BA in Mathematics from the University of Chicago and a Ph.D. in Finance from Columbia University. He currently lives just outside of Baltimore with his wife and two daughters, who he plans to raise as the next generation disruptors.

Dr. Alexander Szalay : SENIOR SCIENTIFIC ADVISOR CHIEF BIG DATA SCIENTIST ~ Dr. Alexander Szalay is a Bloomberg Distinguished Professor, the Alumni Centennial Professor of Astronomy, and Professor in the Department of Computer Science. He is the Director of the Institute for Data Intensive Science. He is a cosmologist, working on the statistical measures of the spatial distribution of galaxies and galaxy formation. He is a Corresponding Member of the Hungarian Academy of Sciences, and a Fellow of the American Academy of Arts and Sciences. In 2004 he received an Alexander Von Humboldt Award in Physical Sciences, in 2007 the Microsoft Jim Gray Award. In 2008 he became Doctor Honoris Causa of the Eotvos University, Budapest. He has written over 450 papers in various scientific journals, covering areas from theoretical cosmology to observational astronomy, spatial statistics and computer science.

Dr. Tamás Budavári : SCIENTIFIC ADVISOR CHIEF MACHINE LEARNING SCIENTIST ~ Dr. Tamás Budavári is Assistant Professor of Applied Mathematics & Statistics at The Johns Hopkins University, where he focuses on computational and mathematical aspects of Big Data analytics with applications in astronomy, materials research, urban planning and finance. He is a builder of the Sloan Digital Sky Survey and its data science solution as well as the Hubble Source Catalog; the ultimate legacy of NASA’s Hubble Space Telescope. In addition to research, he currently teaches “Data Mining” in JHU’s Whiting School of Engineering. Budavári is the Data Science PI in the Center for Materials in Extreme Dynamic Environments, affiliated with the Institute for Data Intensive Engineering & Science (IDIES), and is Steering Committee Member of the 21st Century Cities signature initiative (21CC) at Hopkins. He is founding Editor of the Journal Astronomy & Computing.

Government Clients


HHS : HHS CIO Outlines Top Priorities ~ First LSTM to analyze SOW and personnel data to identify cost savings.

GSA : GSA announce winners of AI and Machine Learning Challenge ~ Video submission here: https://drive.google.com/file/d/1pB0AvCVqVq5K-wgq1obZKa7KmN90/f/view — continued next page
Stakeholders (continued)

**Data Foundation**

**VA National Artificial Intelligence Institute**
Participant in the VA National Artificial Intelligence Institute (NAII) 2020-2021 AI Tech Sprint.

**Commercial Clients**
* Developed and deployed an AI-based solution for identifying investment opportunities and risks for a growth oriented $60 billion asset management company based in Arlington, Virginia.
  - Customized research publication for an institutional asset manager that provides creative solutions for those seeking capital in special situations located in New York City. Publication was considered opus from grant observer.
  - SoKat Credit site can be accessed here: https://sokatcredit.com/

**SoKat Partners**

**ACT-IAC**
ACT-IAC represents how government and industry can effectively work together. ACT-IAC provide an objective and vendor-neutral forum trusted by both government and industry. ACT-IAC’s mission of creating a more effective and efficient government by providing a forum where those who share this vision can work together has remained steadfast.

**BlockMedx**
BlockMedx is on a mission for social impact. The opioid crisis has ruined millions of lives and cost thousands more. Prevention through a network redesign and advanced analytics allows for early intervention when it matters the most. BlockMedx intends to evolve into a fully functional, trustless, and secure prescription platform that transmits and analyzes all types and classes of drugs.

**EJEN**
EJEN’s mission is to tokenize the real estate industry. EJEN will issue an institutional-grade security token backed by real estate assets. This security token, initially backed by income-producing commercial real estate in the United States, will disrupt the capital financial markets by making tokenized real estate safer, more liquid, and less volatile than other digital currencies.

**Quandl**
Quandl’s mission is to extract value from the world’s data. Quandl believes that data is one of the most important resources of the 21st century. It is ubiquitous. Data now arises from virtually everything humans and businesses do, every minute of every day. But how much of it has tangible value to capital markets? That is what Quandl asks every day. Quandl wants to inspire customers to make new discoveries and incorporate them into trading strategies.

**Vision**
World-class products and services

**Mission**
To create Machine Learning / AI and Blockchain products and services

**Values**
- Cost-Efficiency
- Scalability
- Human-User Experience
- Learning
Strategic Plan

Innovation
Growth
Quality of Life
1. Artificial Intelligence

*Build, deploy and scale AI solutions*

Advance your agency’s mission by building, deploying and scaling with AI solutions, comprising of Intelligent Automation, Machine Learning, Natural Language Processing, and other emerging technologies.
2. Blockchain

*Protect and share data*

Protect and share your agency’s data with tools like smart contracts, decentralized finance and distributed ledger technology (DLT).
3. Data Science

Use data to further missions

Frustrated about how to use your agency’s data to further its mission? We can ingest, curate and analyze real-time streaming data and make it into a usable product for the end-user.
4. Education & Training

*Educate and train in Artificial Intelligence*

Educate and train your entire agency workforce in Artificial Intelligence with innovative learning tools built by leaders in academia and industry, with decades of experience.
5. Cloud & Infrastructure

Modernize strategies and tactics for the data science age

Start your path to the cloud and maintain momentum with cloud services that modernizes an agency’s strategies and tactics for the data science age.
6. AI, AR & Apps

_Innovate with Artificial Intelligence, Augmented Reality and Mobile Applications_

Innovating within the intersection of Artificial Intelligence, Augmented Reality and Mobile Applications.

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**Administrative Information**

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