



# Empowering Your Enterprise with Evidence- based AI Solutions

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SoKat, rooted in academic excellence, delivers cutting-edge AI solutions tailored for federal and enterprise clients. Our team of top-tier academic talent translates research into award-winning, scalable tools that deliver reliability, innovation, and measurable impact. Our valuable experience in working with the federal government to design human-focused AI solutions that prioritize compliance while enhancing operational efficiency ensures you can turn to us as your trusted partner for seamlessly transforming your operations and achieving mission success.

# Unmatched Expertise

SoKat's team showcases AI and machine learning excellence through their academic rigor, deep industry expertise and thought leadership:

## 1. Jim K. Liew, Ph.D., Founder & President

- Associate professor at Johns Hopkins University specializing in AI, ML and Big Data
- Former Wall Street quantitative algorithm expert, adept at developing large-scale AI models for federal agencies.

## 2. Susan An, Esq., CEO

- Former Chief Compliance Officer at \$1B asset management firm, ensuring SoKat can scale their AI solutions while meeting the most rigorous regulatory standards.

## 3. Johns Hopkins University Faculty Leadership

- Biomedical Engineering: Pioneers in applying AI to medical imaging and health data for better diagnostics and patient care.
- Data Analytics & Statistics: Experts in predictive modeling, enhancing SoKat's solutions with cutting-edge statistical approaches.
- Applied Mathematics: Specialists in optimizing AI algorithms for scalable and accurate problem-solving.

## 4. Deep Talent Pipeline

- Unparalleled track record of recruiting the brightest talent both locally and nationally, due to our roots in academia and industry connections and sterling reputation for our AI skills training program.
- Award-winning innovations highlight the team's ability to stay ahead of evolving technological challenges.



# Proven Track Record



## Federal government awards

1. **GrantSolutions Recipient Data Insight (HHS):** Developed predictive analytics and risk assessment tools for Federal grant management, implemented across all federal agencies.
2. **IRS Mobile Application (IRS):** Created an AI-powered mobile app, with a chatbot assistant, to improve the taxpayer experience
3. **SoKat Suicide Ideation Engine (VA):** Predictive analytic tool leveraging LLMs to identify suicide risk among veterans and enable early intervention
4. **AI-based Contract Writing Tool (HHS):** Automated the creation of acquisition contracts with machine learning models trained on millions of legacy contracts. Built an AI-powered contract writing system to standardize legacy processes and provide acquisition data insights.
5. **Grant Closeout AI Tool – Prototype (HHS):** Leveraged AI to automate the manual closeout process for federal grants and increase compliance with the FAR.



## Awards

1. **2023 GSA Applied AI Challenge Winner:** Our innovative clause selection and evaluation capabilities tool, SMART (see below).
2. **2022 VA Mission Daybreak Suicide Challenge:** Intelligent Healthcare Assistant Mobile App
3. **2021 VA NAIL AI Tech Sprint Challenge:** 1st place in patient experience and 2nd place overall for an AI-powered healthcare chatbot.
4. **2020 GSA Applied AI/ML Challenge:** 3rd place for ML-based predictive risk engine
5. **2020 ACT-IAC Igniting Innovation Transformer Award:** For our AI model, GrantSolutions Recipient Data Insight
6. **2018 and 2019 GCN Government Innovation Award:** For our AI model, GrantSolutions Recipient Data Insight



## Proprietary AI Solutions

1. **SoKat's Intelligent Assistant (SIA):** An AI Knowledge Platform for Government .
2. **SMART:** A LLM solution that streamlines federal contract writing and winner of the 2023 GSA Applied AI Challenge.
3. **CodeRenew:** An AI application for modernizing legacy systems by translating COBOL to text and modern programming languages.
4. **PAT (Personalized AssistantTool):** An AI healthcare chatbot and winner of the 2021 VA AI Tech Sprint .

# SoKat's Core Offerings

## 1. **Agile Development and Deployment:**

As a small business, SoKat is very nimble, responding swiftly to evolving government needs. Our agile development approach allows us to rapidly prototype, refine, and deploy solutions, ensuring quick turnarounds and minimizing disruption.

**2. Customer-Centric Collaboration:** We provide personalized attention to our government clients, fostering collaborative relationships. This close partnership allows us to deeply understand client requirements and tailor our solutions to deliver maximum impact.

**3. Innovation-Driven Culture:** We have a strong culture of innovation, driven by a diverse and expert team. Our academic partnerships and industry connections empower us to continuously pipe the most cutting-edge technologies into our solutions.

**4. Compliance Expertise:** SoKat has a solid track record in navigating government compliance requirements, ensuring our AI tools align with federal agency-specific standards.

**5. Proven Success:** We've consistently delivered successful AI tools for government clients, winning awards and maintaining the highest customer satisfaction rates.

**6. Dedicated R&D and Continuous Learning:** We prioritize innovation through significant investment in R&D, which fosters a culture of continuous learning and exploring the latest advancements to deliver cutting-edge solutions that keep clients ahead of technology trends.

**7. Scalability and Future-Proofing:** SoKat's modular tools scale effortlessly with growing data and user demands, ensuring solutions remain relevant. We regularly update our technology to meet evolving requirements, future-proofing your investment.





## Next Steps

1. Use Case Identification: Work with you, the customer, to identify key areas for optimizing productivity through AI.
2. Prototyping and Deployment: Design, develop, and implement customized prototypes quickly to demonstrate value.
3. Performance Evaluation: Analyze and refine models to align with customer-specific KPIs and compliance requirements.

## Contact Information

**Susan An, CEO**

✉ [susan@sokat.com](mailto:susan@sokat.com)

