Advanced Data Science Software for Enterprise AI
Physics Guided AI | SaaS Platform | Professional Services
**OUR HISTORY**

**Dynam.AI** was incubated in 2016 by a leading venture fund for artificial intelligence, Analytics Ventures.

Analytics Ventures (AV) is a venture studio fund dedicated to the inception of new ventures harnessing innovations in Artificial Intelligence. The AV portfolio is known for several breakthrough AI technology companies that include CureMetrix, CureMatch, and AlphaTrAI.

CureMetrix delivers FDA-cleared AI-based technology that helps radiologists detect breast cancer and heart disease in women.

Learn More

CureMatch is a precision medicine company that provides an AI-based Decision Support System that helps oncologists identify treatment options that are genomically targeted for optimal treatment.

Learn More

AlphaTrAI is an algorithm-driven asset management platform with an index outperforming hedge fund.

Learn More

Dynam.AI is an enterprise AI software company that empowers technology teams with advanced tools to deploy complex enterprise AI projects with ease.

Learn More

AV partners with corporations, researchers, and entrepreneurs to provide a proven execution model and best-in-class AI expertise.
Dynam.AI is an enterprise AI software company with products and services to empower technology teams with advanced tools and professional services in any combination so they can deploy complex enterprise artificial intelligence projects with ease.

Built and supported by US-based data scientists, computer engineers, and our Vizlab deployment platform, our clients can deploy AI machine learning solutions in the most rapid, secure, and cost-effective way.

Our suite of physics-guided machine learning algorithms and models is uniquely adaptable to tackle complex machine learning challenges where accuracy and performance are critical.

- Faster time-to-solution
- Higher Accuracy
- Up to 60% development costs reduction

**Powered by Vizlab**

Our VizLab™ platform increases application development speed and precision while reducing development costs up to 60%, allowing us to deploy highly accurate, physics guided, machine learning models that solve complex problems.
Dynam.AI is a trusted AI partner with a proprietary AI platform and physics-guided domain expertise for implementing complex AI projects. We are dedicated to delivering return on investment (ROI) for both our clients & investors.
The Physics AI Wrapper (PAIW) improves the performance and capabilities of devices and systems that incorporate artificial neural networks (ANN) or any Machine Learning (ML) or Artificial Intelligence (AI) solutions and/or components in general by providing additional data not contained in the original dataset on which the solution is either based, implemented, trained, tested and validated. PAIW extracts this additional data from the properties of the reality (real world, virtual or mixed reality, game-engine, etc.) and provides it to the solution along with the original data.

Data Scientist - Value Proposition

1. Unlike data augmentation or transfer learning approaches, in the PAIW the additional data is provided along with the original data (e.g. as additional input channels or features).

2. Unlike physics-informed machine learning (PIML) or control theory, where the goal is to learn and predict the behavior of the physical system itself, in the PAIW the additional data serves to improve the accuracy and performance of the solution on the original tasks.
A Few Opportunities for AI in the Enterprise

Common use cases of how artificial intelligence advancements are used by organizations in multiple industries.

- Process Automation
- Segmentation and motion prediction
- Image/Video Guidance
- Anomaly Detection
- Real-time Tracking
- Real-time Optimization
- Help Manage Resources
- Personalized Medicine
- Cheat/Fraud Detection
- Customer Behavior Tracking
- Digital Assistants
- Conversion Optimization
GETTING STARTED

AI Assessment | Consultation

This is a consultative approach that helps key leadership figure out what data is available to accomplish the analytics they would like to uncover. A structured approach where our business strategy team goes through a workshop process, in addition to market research to provide a tangible recommendation on specific data use options and your organizations' viability to execute against it. This is typically a 2-3 week process. We have an expanded version that includes a financial modeling exercise that would add another 1-2 weeks.

Machine Learning Feasibility Analysis

A structured approach where our data scientists and machine learning experts perform a rigorous discovery process that ends in an executable development and deployment project plan and roadmap. This is typically a 4 week process and requires a sample data set and discussions with all stakeholders.
Methodology

Business Use Case Identification
Learn more about your business data usage and together discuss all the ways you can apply AI to it.

Data Feasibility Analysis
We discuss your goals and available data sets to determine their state and usability to tackle your use case.

Data Preparation
We give your data the works and do cleanup, labeling, augmentation, embedding, and pre-filtering to develop the best possible solution.

Feature Selection & Application
After data prep, we assess what can be derived from your data and see how we can optimize it.

AI Model Development & Training
This is where the fun begins, and we add our secret sauce to prepare for the AI magic.

Model Deployment & Solution Integration
We add a second batch of secret sauce to custom-tailor your application. This includes APIs, front-end interfaces, and packaging.

Launch & Service
Your application is ready! Before you take it home, we make sure to set you up with the proper hosting environment for deployment. We also carve out a plan for continued support and maintenance that suits your needs and use cases.
A Data Science & AI Center of Excellence

We are commercializing a relatively new area of Artificial Intelligence termed by researchers as Physics Guided AI. Our company is comprised of a world-class team of research & development experts in Physics, Statistics, Information Systems, and Computer Science.

Together, we have over 100 years of combined expertise.

We are published authors, inventors, and public speakers and have over 165 peer-reviewed publications and 13+ US patents. We are well versed in the regulatory pathways and requirements associated with US Government Security, SEC, and FDA. Our team has worked on groundbreaking industry solutions in both the public and private sectors. Our best-in-class team attracts enterprises that seek high-performance results.
Scientific/AI Leadership

**Diana Shapiro**
Chief Executive Officer & Board Member, Dynam.AI
Venture Partner, Analytics Ventures

Ms. Shapiro has 21+ years in executive leadership roles with a passion for successfully bringing novel enterprise technologies to market within MedTech, CleanTech, & FinTech sectors. Diana serves as CEO & Board Member for Dynam.AI a patent-pending physics-guided AI platform & professional services firm & as Venture Partner at Analytics Ventures, an artificial intelligence focused portfolio of companies. Prior to 2021 she served as COO & remains a current stakeholder in PeakLogic a personalized rTMS treatment planning platform for brain trauma & cognitive disorders. For 14 years prior to 2016 Diana served as COO for Environmental Waste Solutions, a financial audit platform for Fortune 500 companies. Early on she was EVP of Sales for ICE Exchange Data Services a data & analytics platform for institutional bond portfolio managers to manage prepayment risk, & as a Financial Advisor for Merrill Lynch.

**Andreas Roell**
Co-founder & Chairman, Dynam.AI
Venture Partner, Analytics Ventures

Dynam Co-Founder & Chairman, Andreas Roell, is also Managing Partner at Analytics Ventures, a Venture Formation Fund focused on Artificial Intelligence (AI) & Machine Learning (ML) at their core. Prior to joining Analytics Ventures, Mr. Roell established a track record of founding, building & leading ventures to successful exits. In 2012, he co-founded & served as Chief Executive Officer of EGM Worldwide, headquartered in Dubai, United Arab Emirates, a leading Arabic video-on-demand platform that was acquired by Rotana Media Group in 2013. Prior to founding EGM Dynam.AI Expertise Page Worldwide, Mr. Roell was Chairman & Chief Executive Officer of Geary Group, a global digital agency, the fourth largest independent search agency globally with offices in North America, Asia, Europe & over 250 employees worldwide. The agency was acquired in 2012.

**Navid Alipour**
Co-founder & Chairman, Dynam.AI
Venture Partner, Analytics Ventures

Navid Alipour is Co-founder & Managing Partner at Analytics Ventures, a Venture Formation Fund focused on starting new ventures with artificial intelligence & machine learning at their core. Prior to co-founding Analytics Ventures, he founded La Costa Investment Group, making investments in startups nationally. Through the founding of multiple Artificial Intelligence (AI) based companies like CureMetrix & CureMatch, Navid is a long-time entrepreneur in the AI space, & looks to address the need between angel investors & big venture capital funds. He has a passion for finding scientists and academics who are domain experts in their respective fields, & helping them turn their research into viable businesses, helping build companies from inception. Navid holds a BA from UC San Diego & a JD/MBA from the University of San Diego.
Scientific/Al Leadership

Dimitry Fisher
Chief Scientific Officer & Chief AI Officer, Dimitry Fisher, Ph.D. leads the R&D team for Dynam.AI. Dr. Fisher joined Dynam.AI after a successful career with Brain Corporation, the only computer vision $1b+ organization in the world, where he led the development of large-scale emergent vision models, R&D of sensory-motor learning, and general learning and cognition algorithms for robots and AI and conducted research into fundamental computational algorithms of the brain cortex. Under his direction, the team at Dynam.AI enabled by VizLab is prepared to solve your most challenging and complex problems regardless of use case or industry.

Josh Jacobson
Chief Technology Officer Josh Jacobson, MBA, CISSP, leads the engineering and development teams at Dynam.AI. Josh joined the team at Dynam.AI after a stellar career with 2019 NAB Product of the Year recipient Kazuhm. At Kazuhm, Josh led a team of engineers to develop the industry’s first SaaS-enabled distributed computing platform, allowing them to maximize their existing compute resources and have full resource control. While at Kazuhm, Josh worked closely with Product Management and Business stakeholders and was directly responsible for technical aspects of infrastructure management, provisioning, and automation. Under his guidance and direction, the Dynam.AI team has built a robust SaaS platform, Vizlab, helping data scientists and physicists solve complex problems faster and more accurately.
Full Stack AI Innovation – A Squad Model for Implementations

A squad is a flexible resourced team working towards technology and business objectives. A typical core Squad begins with an Engagement Manager, Engineer, and two AI Scientists, and can scale up from there.

The squad is supported by specialized science and engineering roles – like data scientists and devops, and business resources – like analysts and product experts.

This combination of core squad and scalable resources give our clients the most effective team, the most control over outcomes, and complete control of their investment.
NEXT STEPS

Chat with an expert
Talk to one of our AI experts about what Dynam.AI can solve for you.
Contact Us!

Get to know us
We're fun to work with! Schedule a chat to meet the bright minds behind the AI-magic.
Learn More

Book a Demo
Watch our platform-enabled solution create and deploy workflows.
Book a Demo
Advanced Data Science Software and Services for Enterprise AI

Founded 2017
U.S. Based

A W A R D S

F E A T U R E D  I N

THE WALL STREET JOURNAL
TechCrunch
Bloomberg Business
Venture Capital Journal
Economy