

Meridian

AI-Powered Investment Intelligence Platform

We help investment firms build winning portfolios with ML-powered stock selection

YC W25 Application

The Problem

Fund managers need ML to compete, but building models requires \$500K+ in data scientists. We make institutional-grade ML accessible to everyone with no coding required.



The ML Talent Gap

Mid-size funds can't afford \$300K/year data scientists to build custom models



Technical Barriers

Portfolio managers have domain expertise but lack ML engineering skills

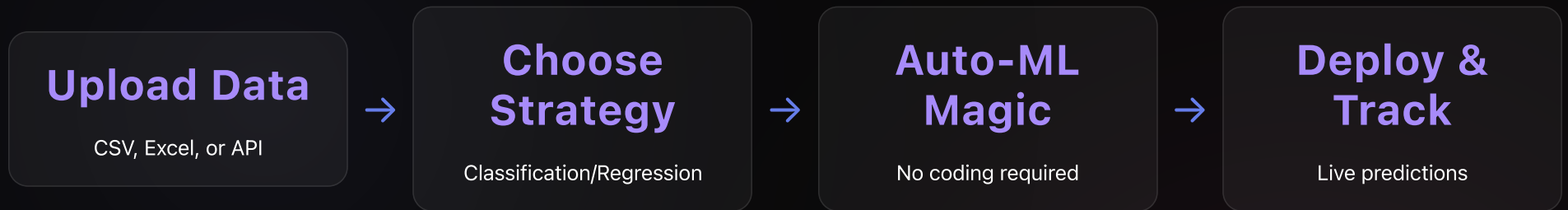


Speed to Market

Building in-house ML pipelines takes 12-18 months - markets move faster

The Solution: Meridian No-Code ML Platform

Like Webflow for investment strategies - drag, drop, and deploy winning portfolios



The YC angle: We're democratizing quant finance. Just as Stripe abstracted payments and Retool abstracted internal tools, we're abstracting ML for investing. Any fund manager can now compete with Renaissance Technologies using our platform.

How It Works

```
# Initialize Meridian with your data meridian = EnhancedAnnualBacktester( classification_file='your_features.csv', #
    400+ features price_file='your_prices.xlsx', target_column='TOP_PERFORMER', portfolio_size=30 ) # Advanced ML
Configuration meridian.configure( # Model Selection model='LightGBM', # Gradient boosting for non-linear patterns #
    Feature Engineering enable_feature_selection=True, max_features_ratio=0.8, # Use top 80% most important
    feature_selection_method='SelectKBest + RFE', # Overfitting Prevention enable_cv=True, cv_folds=5, # TimeSeriesSplit
    validation early_stopping_rounds=50, validation_fraction=0.2, # Hyperparameter Optimization enable_tuning=True,
    tuning_method='Optuna', # Bayesian optimization n_trials=50, # Ensemble Methods enable_ensemble=True, ensemble_size=3,
    # Average 3 models # Risk Controls enable_stability_check=True, stability_threshold=0.1, max_single_stock_weight=0.1 #
    10% position limit ) # Generate Annual Recommendations predictions = meridian.predict(year=2025) # Returns: { #
    'selected_stocks': ['NVDA', 'META', 'AVGO', ...], # 'confidence_scores': [0.89, 0.87, 0.85, ...], #
    'predicted_classes': ['Y', 'Y', 'Y', ...], # 'risk_metrics': {...} # }
```



Annual Predictions

12-month holding period optimized for tax efficiency and reduced trading costs



Feature Intelligence

Analyzes 400+ technical, fundamental, and alternative data features per stock



Battle-Tested

Multi-layer validation prevents overfitting with 86.1% cross-validation accuracy

Data Pipeline

- 2-year lag prevention
- Missing data handling
- Outlier detection



ML Engine

- LightGBM core
- Optuna tuning
- Ensemble voting



Selection

- Probability ranking
- Risk constraints
- Position sizing



Monitoring

- Daily NAV tracking
- Risk analytics
- Performance attribution

Business Model

SaaS pricing based on AUM and features

Starter

\$10K/mo

For emerging funds

- ✓ Up to \$100M AUM
- ✓ 1 strategy
- ✓ Annual predictions
- ✓ Email support

Professional

\$25K/mo

Most popular

- ✓ Up to \$500M AUM
- ✓ 5 strategies
- ✓ Quarterly updates
- ✓ API access
- ✓ Priority support

Enterprise

Custom

For large institutions

- ✓ Unlimited AUM
- ✓ Custom strategies
- ✓ White-label option
- ✓ On-premise deployment
- ✓ Dedicated support

+ Performance fee: 10% of alpha generated above benchmark

Market Opportunity

\$4.5T

Global Hedge Fund AUM

15,000+

Active Investment Firms



2024: \$5M



2025: \$25M



2026: \$80M



2027: \$200M



2028: \$500M

Projected ARR based on 0.3% market penetration by 2028

Why Now?



AI Democratization

ChatGPT moment for finance - everyone wants AI but can't build it themselves



Platform Shift

Move from Excel models to ML - like Figma disrupting Photoshop



Self-Serve Revolution

B2B SaaS going product-led - Stripe, Twilio, now us for quant finance

Perfect timing: We're riding three waves - AI adoption, no-code movement, and democratization of finance. Just as Robinhood democratized trading and Stripe democratized payments, we're democratizing quantitative investing. The technical moat is our proven algorithm; the business moat is becoming the default platform for ML-powered investing.

Our Ask

\$500K for 7% equity

Product Development

Ship no-code builder, multi-market support, real-time backtesting engine

Growth Hacking

Launch on Product Hunt, Reddit quant communities, free tier for students

Market Expansion

Add crypto, international markets, regression models, custom indicators

Why YC is perfect for us:

- **Distribution:** YC network includes 100+ fintech founders who need our product
- **Product-Market Fit:** Help us transition from "works for me" to "works for everyone"
- **Scaling Playbook:** We need YC's expertise in building self-serve B2B SaaS
- **Credibility:** YC brand opens doors with institutional investors

Product Roadmap

- Multiple market support (NASDAQ, Russell, Crypto)
- Regression models for return prediction
- Custom indicator builder
- International markets

Let's Build the Future of Investing