

## Contact

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(LinkedIn)

## Top Skills

Business Transformation

Business Strategy

Market Entry

## Languages

French (Elementary)

German (Elementary)

## Certifications

CFA - Investment Management  
Certificate

Public Management & Social  
Innovation

MBA

## Honors-Awards

VC Fellow

# Niamh Gavin

AI First Product/Platform  
San Francisco Bay Area

## Experience

### Emergent Platforms

Applied AI-Scientist (Systems Architect) - Founder & CEO  
2019 - Present (5 years)

\$150Mn for building open-ended, AI-first platforms for applied scientific  
discovery (Climate Tech)

SynBio: Closed-loop active learning platform for a bottom-up mechanistic  
understanding of self assembly, organisation & repair (LLPS, non equilibrium,  
sys chem, autocatalysis...)

MatSci: Generative foundation model for programmable chemistry (crystal  
structure prediction & universal force fields for green production & inverse  
design)

BioFoundry: Programmable automated labs (LIMS, embedded systems)

Collaborations: The Crick (UK), The Broad (Boston), Stanford (CA), Imperial  
(UK), Toronto (Canada)

Objectives: Multiscale simulation, differentiable science, reaction pathway  
mapping & representation learning for dynamical systems with emergent  
properties

### VC / Angel - DeepTech

Angel Investor  
2012 - Present (12 years)  
United States

#### Seed/A Investments

\* Climate: Phaidra

\* Cyber: Stairwell

\* CompBio: Aether, Benchling, Peptone

\* Drug Discovery: Atomwise, Deep Genomics, Recursion, Owkin, Virta, Viz

\* SynBio: Bolt Threads, Ginkgo, Impossible

\* Longevity: Gordian Bio

- \* Robotics: Applied Intuition, Automata
- \* CubeSat: Planet
- \* Semiconductor: Groq

## Ecosystem

- \* Early employee & interim exec roles: science, tech, product/platform, ops, biz
- \* Tech DD & Advisor for Government: USA, UK, EU, ICRC
- \* Selection Committee & Mentor: YC, IndieBio, Entrepreneur First, TechNation, CDL, Techstars, CogX
- \* Tech Transfer Offices USA, EU, Asia
- \* Grant Assessment: UKRI, Innovate UK
- \* Teaching: Oxford, Stanford

## Orbital Materials

### Co-Founder

June 2022 - January 2023 (8 months)

AI driven material discovery

## Government Taskforce / Global Research Consortium

### Covid CompBio

November 2019 - January 2022 (2 years 3 months)

## Stanford University

### Graduate Student - Paused (Visa/Covid)

2014 - 2018 (4 years)

San Francisco Bay Area

Dual Post Grad: {AI/ML, SymSys, CompBio, SynBio} + {MBA (Graduated)}

## Summit Partners

### Growth Equity

2014 - 2014 (less than a year)

Global

Sourcing & working with portfolio management teams to identify then execute growth strategies that build long-term value

## Barclays Corporate & Investment Bank

### Product/Platform, Strategy & BizOps

2011 - 2014 (3 years)

USA, EU, UK, Asia

FinTech Initiatives

- Digital Wealth Management Platform - Quant/Robo/HF
- Barclays Techstars Accelerator & Eagle Labs
- Open Innovation and Intrapreneur Lab Pilots
- Entrepreneur Banking Solutions & Business Case
- Female Entrepreneur Solutions in partnership with UK Cabinet Office (Government)
- Social Impact Investing Platform

#### Product Management - COO Office

- New Product Design, Launch, Lifecycle
- Market Analysis & Segmentation
- Acquisition, Conversion & Retention Strategies
- Sales & Channel Effectiveness
- Business Intelligence & Customer Insights
- Service Design & Pilots
- Quant/HF

#### Corporate Strategy & Change - Executive Office (CoS)

- Board & Annual Reporting
- Corporate Communications
- Organisation & Culture Transformation
- Operating Efficiency & Cost Reduction
- Corporate Governance
- Regulation & Compliance
- Competitive Intelligence

#### ExCo & Special Projects - Investment & Research

- Investment Portfolio IC (SAA/TAA)
- Redesign of Investment Management Services
- Strategic Planning & Business Management
- Target Operating Model & Process Improvement
- Risk Management & Compliance

#### Booz Allen Hamilton

Senior Strategy/Tech Consultant

2008 - 2011 (3 years)

USA, EU, UK, MENA, Asia

Client Facing & Product Building

Industries

- Aerospace & Transportation
- Utilities & Alternative Energy (Masdar City - concept to launch, inc. photosynthetic solar cells)
- Cyber & Analytics
- Financial Services & Private Equity
- Consumer & Retail
- Social & Public Sector – National & International

#### Capabilities

- MVP, Platform Build & System Design
- Commercial Due Diligence & Market Mapping
- Economic & Corporate Development
- Value Creation & Business Models
- Market Entry & Go-to-Market Strategies
- Operating Model & Organisation Design
- Strategic Planning Toolkits & Program Management Office
- Sourcing & Procurement
- Performance Improvement & Cost Management Frameworks
- Stakeholder Management & Workshop Facilitation

2Sigma, McLaren, BainCap

Data Scientist / Quant

2006 - 2008 (2 years)

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## Education

Stanford University

Multidisciplinary PostGrad

University of Oxford

Bachelor & Master's Degree, Natural Sciences (Genetics)

Tsinghua University

Bioinformatics & Quantum Biology