

# KENDALL LOH

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## PROFESSIONAL SUMMARY

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AI strategy and operations leader with 10+ years spanning ML research, technical product management, and cross-functional program execution. Proven at translating complex data systems into executive-ready strategy, owning the mRNA optimization algorithms underlying Moderna's full pipeline across approved vaccines, oncology therapeutics, and rare disease programs, and bridging deeply technical teams with senior leadership at speed. Targeting high-impact roles at the intersection of AI strategy, compute planning, and organizational scale.

## EXPERIENCE

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### Moderna Therapeutics

*Apr 2023 – Present*

**Senior Manager, Sequence Engineering** → promoted from Manager · Cambridge, MA

- Lead strategy and execution for Moderna's core mRNA sequence design function, overseeing the algorithms that directly govern codon optimization and mRNA construct design across a \$300M+ portfolio of Platform and INT programs.
- Drive cross-functional alignment across Engineering, Platform, and Technical Development; regularly synthesize program status, risks, and strategic trade-offs into executive-ready materials to support senior leadership decision-making across 5+ concurrent workstreams.
- Manage and mentor a team of bioinformatics scientists; provide technical oversight and strategic direction for algorithm development, balancing scientific rigor with aggressive delivery schedules.
- Built and scaled operational best practices across multiple workstreams as Manager (2023–2025), serving as primary bridge between scientific and engineering functions prior to promotion.

### AITIA Bio

*Jan 2021 – Mar 2023*

**ML Research Scientist** · Cambridge, MA

- Applied Bayesian network modeling (REFS algorithm) in predictive and causal inference frameworks to support executive decision-making in oncology; led end-to-end delivery of \$500K–\$6M engagements from statistical planning through ML model deployment.
- Partnered with cross-functional teams and senior stakeholders to translate ambiguous research questions into clear, executable analytical strategies under demanding client timelines.

### AITIA Bio

*Jan 2020 – Jan 2021*

**Solutions Architect** · Cambridge, MA

- Drove enterprise adoption of the REFS ML platform through strategic technical consultations; designed multi-omics training programs that accelerated client self-sufficiency and expansion revenue.

### AITIA Bio

*Jun 2019 – Jan 2020*

**Software Engineer from ML PM Intern** · Cambridge, MA

- Built causal ML models to verify API results and assess platform validity; as PM intern, defined and prioritized six core features in an agile environment.

### Yale University

*Feb 2016 – Aug 2018*

**Research Associate, Healthcare Strategy** · New Haven, CT

- Designed and validated healthcare quality performance tools supporting CMS's transition to value-based care under the ACA, directly informing federal policy instrumentation.

## CORE COMPETENCIES

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**AI & ML:** Bayesian Networks, Causal Inference, Applied Machine Learning, Codon Optimization Algorithms, Bioinformatics, LLM

**Strategy & Ops:** Executive Stakeholder Management, Program Strategy, Cross-Functional Alignment, Scenario Modeling, Compute & Resource Planning

**Technical:** ML Platform Architecture, Data Modeling, Statistical Analysis, API Development, Agile PM, R, Python

**Leadership:** Team Management, Managing Up, Risk Mitigation, Ambiguity Navigation, High-Velocity Execution

## EDUCATION

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### Columbia University

*2018 – 2019*

M.A., Quantitative Methods in the Social Sciences (Data Science)

### Binghamton University, SUNY

*2010 – 2015*

B.S., Biochemistry