ALEXANDER BIRD

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Biomedical engineering graduate with biotech commercial due diligence experience; incoming Master in Finance at Chicago Booth. Pursuing healthcare investment banking, M&A, and consulting roles.

EDUCATION

University of Chicago Booth School of Business — *Chicago, IL · Expected 2027*

Master in Finance · Admitted; matriculating Fall 2026

University of Toronto — *Toronto, ON · May 2025*

B.S., Engineering Science (Biomedical Systems Engineering Focus); Engineering Business Minor

- **1st Place** — Engineering Business Case Competition (Sardo Foods Logistics)
- Relevant Coursework: Financial Decision Analysis, Engineering Economics, Market Strategy, Data Analytics
- Thesis: Regulatory Frameworks for the Use of Artificial Intelligence in Healthcare

Wellington College — *Berkshire, UK · May 2020*

International Baccalaureate Diploma — HL: Chemistry, Mathematics, Physics

PROFESSIONAL EXPERIENCE

DevTech Partners — *New York, USA · Aug. 2024 – Apr. 2025*

Biotechnology Analyst · Analyst rotation in commercial due diligence, M&A, and corporate development advisory

- Led commercial due diligence and market-sizing analyses on clinical-stage biotech and medtech assets across orthopedics, immunology, and surgical / operating-room devices, directly informing licensing, M&A, and investment decisions
- Built competitive landscape models, pricing-scenario analyses, and risk-adjusted NPV / sum-of-the-parts valuations; outputs incorporated into client pitch books and investment-committee memos
- Authored strategic reports evaluating product feasibility, FDA pathway, and commercial viability of late-preclinical therapeutics

Ideaz — *Connecticut, USA · Summer 2022*

Rapid Prototyping Engineering Intern

- Translated product concepts into manufacturable prototypes via iterative design, testing, and unit-cost analysis; supported launch strategy by integrating mechanical design with supplier sourcing and target-margin requirements

University of Surrey — Advanced Technology Institute — *Surrey, UK · Summer 2021*

Research Assistant

- Designed experiments on carbon-nanotube transistor architectures (PECVD); analyzed performance data to optimize nanoscale-device stability and reliability

SELECTED PROJECTS

Sardo Foods Logistics Optimization — *2024*

Engineering Business Case Competition (1st Place)

- Built financial models evaluating logistics-cost scenarios and capital-allocation alternatives; ran sensitivity and scenario analyses to quantify operational and financial risk; delivered cost-efficiency recommendations to company executives, earning 1st place

COAST Steerable Guidewire — *2024*

Medical Device Development with UHN Cardiology

- Designed and prototyped a steerable guidewire for minimally invasive interventional procedures; led user-research interviews with interventional cardiologists to define product requirements
- Quantified manufacturability cost, target unit economics, and regulatory pathway (510(k) vs. De Novo); presented commercialization analysis to medical engineering advisors

MetaStable Surgical Tools — *2024–2025*

Capstone Design — Mount Sinai Toronto Collaboration

- Developed surgical tools with controlled metastable mechanical properties; collaborated with surgeons on materials selection, risk assessment, and human-factors integration
- Delivered prototype, manufacturing cost-benefit analysis, and addressable-market sizing; received departmental commendation for innovation in biomedical systems design

SKILLS & CERTIFICATIONS

Certifications: CFA Program — Level I Candidate (May 2026) · Work Authorization: U.S. / U.K. / Canada

Finance: Financial Modeling, DCF / Comparables / Precedent Transactions, NPV & SOTP Valuation, Market Sizing, Scenario Analysis, Excel, PowerPoint

Healthcare: FDA Pathways (505(b)(2), 510(k), De Novo), Clinical-Stage Asset Valuation

Technical & Languages: Python, SQL, C/C++, Verilog, CAD (Fusion 360, SolidWorks) · English, French (limited)