Ammar Adam

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EDUCATION

University of Waterloo — Waterloo, ON
Honours Bachelor of Computing and Financial Management (Co-op) — *Sept. 2025 – May 2030*

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, HTML, CSS
Frameworks/Libraries: React, FastAPI, Node.js, Next.js, Tailwind, Prisma, Pandas, NumPy, CVXPY, Matplotlib
Tools: Supabase (PostgreSQL), NewsAPI, OpenAI API, AWS, Git, CapitalIQ, Excel, Figma

EXPERIENCE

Product Engineering Intern — July 2025 – Aug. 2025
DataStealth — *Mississauga, ON*
- Collaborated with 3 engineers to build demo environment showcasing **8 product capabilities** using client datasets, compressing the sales demo cycle from **months to hours** and enabling faster customer onboarding
- Built Python automation tool to turn **10,000 word research documents** into competitor comparison tables
- Developed an ROI dashboard estimating remediation cost savings from potential data exposure scenarios
- Partnered with marketing to translate technical product differentiators into go-to-market messaging

Mergers & Acquisitions Summer Analyst — July 2024 – Aug. 2024
Alpen Capital — *Dubai, UAE*
- Supported **$50M of deal flow** for buy-side and sell-side mandates for Middle Eastern and Asian clients, including a private limousine operator, an emerging Asian fintech, and other regional mid-market companies
- Built buyer and investor lists of **200+ targets** using CapitalIQ and coordinated outreach to strategic investors
- Created detailed **DCF and Comparable Transactions** valuation models to support pricing negotiations
- Developed CIM analyses and market maps across consumer, fintech, and healthcare sectors for deal evaluation

PROJECTS

RocketShip | *Python, DeepSeek API, NewsAPI, Next.js, FastAPI, Pandas, CVXPY, SQL*
- Architected a stock discovery system using pattern recognition and validated theses through **multi-agent LLM debate** (bull/bear/value/regime/judge) with consensus ranking, generating optimal allocations
- Used NewsAPI to incorporate live events into agent debates, quantitative scores, and portfolio recommendations

Zarf | *TypeScript, Next.js, Prisma, Supabase (PostgreSQL), Tailwind*
- Built a **full-stack platform** to facilitate discovery through double-blind conflict scenarios and financial stress tests
- Implemented secure user storage with **Supabase/PostgreSQL** to manage complex interpersonal user flows

Risk-Optimized Equity Portfolio System | *Python, Pandas, NumPy*
- Built a risk-constrained equity system integrating factor-based ranking and **convex optimization** to construct a portfolio with a **1.6 Sharpe ratio and 1.34% weekly volatility** over one year of historical data
- Engineered data pipeline processing 600+ equities with historical price ingestion and covariance matrix estimation

Thematic ETF Construction Tool | *Python, CVXPY, Pandas, NumPy*
- Designed thematic ETFs with 85%+ sector alignment and 2x leveraged replication achieving **0.3% tracking error**

LEADERSHIP & INVOLVEMENT

ACE Consulting Group | *Consulting Associate* — Sept. 2025 – Present
- Delivered growth strategy to AI EdTech client identifying 6 high-value user segments based on engagement analysis
- Led competitor research across **15 companies** and conducted customer interviews to inform pricing strategy

Dollar Seeds | *Founder* — Aug. 2024 – Present
- Founded financial literacy platform for immigrant communities, led team of 6 to produce content across 4 languages
- Presented to **Ontario's Associate Minister of Small Business** to advocate for accessible financial education

AWARDS & INTERESTS

Awards: Valedictorian, DECA International Finalist, FBLA National Champion, OxfordMUN VC Best Delegate
Interests: Liverpool FC, NYT Puzzles, Airline Economics, Experiential Architecture, Golf, LEGO, Chicken Shawarma