BEN CHEESEBROUGH

B.Sc. Artificial Intelligence and Computer Science Student - University of Birmingham

📞 +447379017770　　@ benjy.cheesebrough@gmail.com

SUMMARY

Ambitious AI student with hands-on experience across tech, finance, and data-driven digital marketing growth strategies, fueled by a passion for tech, finance, investment and entrepreneurship. Completed internships with prominent organizations such as Aston Martin F1, Fiera Real Estate and Create Group. Founded a prop tech company in the Kingdom of Saudi Arabia during a gap year, connecting with key industry leaders.

EXPERIENCE

Founding Technical Lead

impactOS　　📅 2025 - Present　　📍 London, United Kingdom

https://www.impactos.tech/

AI platform turning messy ESG & social-value data into decision-grade, audit-ready metrics and reports. Ingests spreadsheets/PDFs, maps to frameworks (UN SDG, UK SVM, CSRD, etc.), and enables natural-language analytics. Pre-revenue, MVP stage. Sister product to "https://www.my-dayapp.com".

- Designed the end-to-end system architecture and shipped the MVP independently (frontend + backend + data).
- Built the AI/data layer to handle messy tabular inputs: fuzzy matching, vector embeddings, semantic retrieval, late-interaction retrieval, NL2SQL, LLM-orchestrated pipelines, knowledge graphs, and ontologies; columnar storage with DuckDB/Parquet.
- Prototyped privacy-first analytics via synthetic data generation (diffusion-model approach) to avoid exposing PII.
- Designed a medallion (Bronze/Silver/Gold) ingestion & retrieval architecture with adaptive schema mapping and vectorized indexing; improved query latency and learned from usage/feedback.
- Created agentic research workflows using knowledge-graph traversal with heuristic A* to evaluate tools/frameworks and auto-synthesize findings.
- Built the client-facing portal end-to-end: Next.js (React), shadcn/ui + Tailwind, Framer Motion, Supabase auth/DB, and documented custom APIs.
- Pitched the MVP to multinational enterprises, government entities, and top universities; iterated roadmap and product narrative based on feedback.
- **Tech:** Next.js/React, JavaScript, Supabase (Postgres/RLS), DuckDB + Parquet, LLMs, embeddings/vector search, NL2SQL, knowledge graphs/ontologies, Framer Motion, shadcn/ui, Tailwind.

SKILLS

Programming Languages

Java　Python　PL/pgSQL (SQL)

JavaScript　APIs　C

iOS Development (Swift)　HTML

CSS　React　Node.js　Next.js

Non-technical

Figma　Git　Slack　Office 365

Teams　Project Management　AWS

Automation　Data Analysis

Sports & Hobbies

Rugby　Golf　Rowing　Skiing

Tennis　Scuba Diving　Paddle Tennis

KEY ACHIEVEMENTS

💡 **Start up Establishment in KSA**
Successfully set up a fully foreign-owned prop-tech company in Saudi Arabia with endorsement from PIF (Saudi's sovereign wealth fund) accelerators.

💬 **Strategic Industry Engagement**
Engaged in high-level discussions with influential industry leaders in Saudi Arabia to advance prop-tech solutions.

🔨 **Legal & Administrative Leadership**
Developed shareholder agreements and other essential legal documents to secure company structure and ensure compliance.

🤝 **High-Caliber Recruitment**
Recruited team members from top UK universities, ensuring a strong foundation of skilled professionals.

🚗 **Collaborative Innovation in F1**
Supported Aston Martin's Web3 initiatives by creating strategic presentations and research for senior executives, enhancing digital strategy in motorsports.

EXPERIENCE

Co-Founder
Access Technologies

📅 2023 - 2024 (Gap Year)   📍 Riyadh, Saudi Arabia

https://www.accesstechnologies.co

'Functionality without aesthetic sacrifice'

Specializing in full stack bespoke software solutions for residential compounds within the Kingdom of Saudi Arabia.

At our core we believe that UI/UX shouldn't have to be sacrificed for functionality, instead we incorporate it into every aspect of our platforms to ensure the highest user experience.

- Developed a backend web portal for admin management and a consumer-facing mobile app for iOS and Android, focused on sports booking administration.
- Established a fully foreign-owned business in Saudi Arabia with endorsements from PIF-backed accelerators (Saudi's sovereign wealth fund).
- Pitched to potential clients across Saudi Arabia.
- Drafted and implemented shareholder agreements and other key legal documents.
- Recruited top programming students from leading UK universities.
- Led and managed the sales team.
- Collaborated with leading regional prop-tech firms to integrate our technology, transitioning our operations as part of their larger platforms.
- Attended big tech events across the Kingdom such as LEAP to gain critical insights into market trends.

Summer Internship
Fiera Capital - Real Estate   📅 2022   📍 London, United Kingdom

Worked alongside the fintech team at a leading asset management firm, exploring the crucial role of fintech in fund management. This experience provided a deep understanding of how digital infrastructure enhances operational efficiency and supports strategic investment initiatives.

- Attended a quarterly update meeting with senior management, gaining insight into high-level financial and operational decision-making.
- Shadowed key team members to understand both the technical and financial aspects of fund management.
- Supported in developing and optimizing internal tools, observing the critical role of technology in daily operations.
- Enhanced knowledge of fintech's impact on fund management, focusing on efficiency and strategic growth.

Summer Internship
Aston Martin F1 Team   📅 2022   📍 London, United Kingdom

Supported Aston Martin's Web3 initiatives, working closely with the Managing Director to drive digital innovation within the high-performance world of Formula 1. This experience provided invaluable exposure to cutting-edge technology and strategic planning in a fast-paced, competitive environment.

- Collaborated with the Managing Director to develop research and presentations on Web3 strategies for senior executives.
- Conducted in-depth analysis on Web3 digital trends impacting F1, enhancing understanding of the sport's technical infrastructure.
- Gained first-hand insights into innovation management and digital strategy within a high-stakes motorsport setting.

KEY ACHIEVEMENTS

⟨/⟩ Insight into Asset Management Fintech
At Fiera Capital, worked with the digital team on internal tools, gaining a comprehensive view of fintech's role in fund management.

⤯ Digital Strategy for MENA
Contributed to content strategies at Create Group for leading clients across the Middle East, with hands-on experience in campaign planning and analytics.

LANGUAGES

English   Native ●●●●●

EXPERIENCE

Summer Internship

Create Group 📅 2022 📍 Dubai, United Arab Emirates

Assisted with Create Group's strategy and creative teams to drive digital marketing and content initiatives for leading clients across the Middle East. This internship offered practical experience in campaign planning and analytics, deepening my understanding of the UAE's fast-evolving digital landscape.

- Contributed to digital marketing and content strategy meetings for major regional clients, tailoring approaches to the Middle Eastern market.
- Supported presentations and reports to guide client decision-making, focusing on impactful storytelling and data-driven insights.
- Gained hands-on experience in content strategy, social media analytics, and campaign planning.
- Enhanced knowledge of regional marketing dynamics and the UAE's digital ecosystem.

EDUCATION

B.Sc. Artificial Intelligence and Computer Science

University of Birmingham

📅 2024 - 2027 📍 Birmingham, United Kingdom

A Levels

Cheltenham College

📅 2021 - 2023 📍 Cheltenham, United Kingdom

- Math: A
- Computer Science: A
- Physics: A

GCSE

Jumeirah College 📅 2019 - 2021 📍 Dubai, United Arab Emirates

- Maths: A*
- Computer Science: A*
- Physics: A*
- Biology: A*
- Chemistry: A*
- Economics: A
- English Language: A
- English Literature: A
- History: B
- French: B