

# ALEX HENRY CHRISTENSEN

Economist · Data & AI Analytics

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Copenhagen, Denmark

## PROFILE

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I spent a decade doing independent financial market research - and got good at it. But the best analytical work happens in a team, where you pressure-test ideas with colleagues and insights actually reach the people making decisions. I did the MSc to formalise the foundation, and built a platform covering 5,200 stocks and 4,800 SEC filings to prove I can ship. Now I'm looking for exactly that: a team where analytical depth and clear communication actually matter.

## FEATURED PROJECT

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**Market Intelligence Platform** [Python](#) · [JavaScript](#) · [SQLite](#) · [Claude AI](#) · [Polygon.io](#) 2024–2025

- Identified that standard sector classifications (GICS, SIC) fail to capture how modern equities actually behave - designed a custom taxonomy from 4,800+ 10-K filings using Claude AI, grouping companies into 15 sectors and 125 industry clusters by actual risk exposure.
- Applied rolling anomaly detection across all 5,200 instruments daily, then used AI to connect flagged events to narrative context - translating raw statistical signals into interpretable market insights.
- Unified price data for 5,200 instruments and 4,800+ SEC filings into a single queryable system - enabling full-text document search and cross-referencing market signals with regulatory disclosures.
- Delivered as a live, self-contained research dashboard accessible directly from the browser - updated continuously, no server required.

Available → [alexhchristensen.dk](https://alexhchristensen.dk)

## PROFESSIONAL EXPERIENCE

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**ZeroNorth** [Technical Onboarding Analyst \(promoted from Student Assistant\)](#) Jan 2023 – Aug 2025

- Sole non-developer with operational access to DataLake, ZeroNorth's internal fleet data system -responsible for creating and configuring new client tenants, vessels, voyage data, segments, and bunker rates end-to-end.
- Designed the first working CSV ingestion format for vessel operator data by reverse-engineering DataLake's field requirements, resolving parsing edge cases through iterative testing; the format was later incorporated into the production application.
- Trained the incoming support team on full DataLake operations upon exit, having become the primary operational knowledge holder outside the development team.

**CPH Tiles ApS** [Co-Founder](#) Feb 2019 – Aug 2022

- Co-founded and operated a niche interior design venture end-to-end across product development, supplier relations, customer acquisition, and financial operations.

**Independent Trader & Analyst** 2008 – 2019

- Traded personal capital across US equity index futures (ES, NQ), crude oil (CL), G10 FX, and US equities over 11 years, progressing from technical analysis and market microstructure through cross-asset macro research to equity narrative analysis.
- Built a cross-asset macro framework mapping growth/inflation regimes and economic cycle phases to positioning across fixed income, equities, commodities, and currencies -anchored on central bank policy, the 2y/10y rate spread, and

risk-on/risk-off conditions.

- Developed a sustained interest in how news flow and narrative patterns explain price behavior in equities; this directly motivated building a personal market research platform.

## EDUCATION

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**University of Copenhagen** [MSc Economics \(Cand.polit.\)](#)

2023 – 2025

**Thesis:** Rational Traders, Divided Beliefs - modelled why public information releases often increase market disagreement and volatility rather than resolving them, and how differences in information quality across investor types amplify this effect.

**University of Copenhagen** [BSc Economics](#)

2019 – 2022

**Thesis:** Tested whether abnormal trading volume predicts returns in Danish equity markets — identified a weak return premium, but only after controlling for risk and autocorrelation.

## TECHNICAL SKILLS

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**Analytics & Quantitative:** Econometrics, time-series analysis, anomaly detection, risk analysis, Excel, R, STATA

**Data & Systems:** Python, SQL / SQLite, Parquet, ETL pipelines, REST APIs, Streamlit, HTML / JavaScript

**AI & APIs:** Anthropic Claude API, Polygon.io, SEC EDGAR, AI-assisted development, Cursor