Alex Henry Christensen

Economist · MSc in Economics (cand.polit.) · data and analysis

alexhchristensen88@gmail.com · +45 52 66 67 57 · Copenhagen · linkedin.com/in/alex-christensen-7b1188251 · alexhchristensen.dk

PROFILE

I hold an MSc in Economics from the University of Copenhagen and work with the analysis of large volumes of data. I use AI to build the tools and databases that analysis requires, far faster than would otherwise be possible. But I never trust a result until I have checked it myself.

I came to economics after nine years as a self-employed trader, where I made decisions on incomplete information and discovered that analysis was the part I enjoyed most. Since then, the common thread in my work has been the quality of information and what it can be used for. I like digging deep into data, numbers and text alike, even when it is messy, and I never take a number or a category at face value until I know where it comes from. That is how I worked with customer data at ZeroNorth, and it is how I work today with US listed companies, combining prices, financial statements and interest rates with their SEC filings.

I take the initiative. If I am missing a tool or an overview, I build it myself with AI.

CORE COMPETENCIES

- Building with AI agents (Claude Code, Codex)
- Training and evaluating local language models
- Systems designed for both people and AI agents
- Text analysis with language models
- Quality control of AI output
- Large databases and data pipelines in Python, SQL and Rust
- Economic analysis
- Statistics and econometrics
- Time series analysis
- Financial markets
- Data collection and quality assurance
- Economic theory and modelling

WORK EXPERIENCE

Student Assistant, later Technical Onboarding Analyst – ZeroNorth

January 2023 – August 2025

In Customer Engineering, I became solely responsible for the technical onboarding of new customers, which I configured directly through ZeroNorth's API. Account managers and support came to me with technical issues. I stayed on part-time after graduating.

- Wrote the onboarding documentation from scratch, as none existed, and trained support teams in India to take over the work
- Diagnosed why customer data stopped updating – from input errors to changes in other departments that broke the system – and escalated the hardest cases to the engineering teams
- Cleaned shipping companies' Excel data to fit ZeroNorth's systems and supported customers closely until the process was automated

Integration Engineer – Zantio IT A/S

November – December 2025

A two-month placement at an IT company where invoicing between CloudFactory and the accounting system Uniconta was largely manual, which made errors hard to spot.

- Mapped the invoicing process with the company to understand how it was meant to work
- Built an ETL framework with a colleague that automatically pulled invoicing data from CloudFactory and loaded it into Uniconta. Amounts that could not be matched to a customer were set aside, making errors easy to trace

Self-employed Trader

2010 – 2019

Taught myself to trade futures after reading about electronic trading, and made it my full-time profession until 2019. My day started with DAX futures (FDAX) during European market hours and moved on to S&P 500 and Dow futures (ES/YM) once the US markets opened. I later added currencies and commodities.

- Combined technical analysis with macroeconomics: central bank meetings and economic data releases that could move prices were a fixed part of my analysis
- Made decisions every day under risk and with incomplete information
- Kept a log of every trade and traded by a fixed set of rules
- Left trading in 2019 to study economics at the University of Copenhagen and build a formal foundation under what I had learned in the markets

PROJECTS

Alongside and since my time at ZeroNorth, I have been building my own analysis systems with AI agents. The data lives in databases, the output is structured, and language models do the reading. I want full control of my own data, both numbers and text, so I can keep building on it.

Portfolio: See the projects at alexhchristensen.dk.

- **Custom industry classification of US companies (July 2025 – present).** Official industry codes often say too little about what a company actually does. So I collect annual reports for more than 4,800 companies, extract the business description and risk factors, and compare the texts using several text analysis methods. The result is a set of clusters and themes that cut across industries, such as drones or weight-loss drugs, which I use to find related companies when a stock moves
- **A model that reads annual reports (September 2026 – present).** I am testing whether a small language model, trained on US annual reports, can sort large volumes of text into fixed categories – for example, whether a company stands to win or lose from a theme. It does not generate text, so it cannot hallucinate, but it can still be wrong, so I measure its accuracy. The training data is labelled by a larger local model that must quote the source text verbatim
- **Stock market analysis system (May 2026 – present).** I built the entire system myself. Every day, an SQL database pulls in prices, news, financial statements, interest rates and the calendar of upcoming economic releases. The analysis runs in local software that I built in Rust with AI agents, with a separate program for each area. Much trading software is slow and bloated, so mine is built to be fast and lightweight. Using time series analysis of prices and trading volume, I flag stocks that move unusually and dig into why

EDUCATION

MSc in Economics (cand.polit.) – University of Copenhagen

2023 – 2025

Thesis: *Rational Traders, Divided Beliefs.* Why is trading heaviest precisely when new public information arrives? We extended a model in which investors hold expectations not only about a stock's value but also about each other's expectations, and gave retail and professional investors information of different quality. Among other things, the model shows that under certain conditions better information leads to larger, not smaller, price swings. The idea grew out of our own experience of trading on information of varying quality.

BSc in Economics – University of Copenhagen

2019 – 2022

Bachelor's project: *Empirical test of the information content of abnormal trading volume in Danish equity markets.* Examined whether unusually high trading volume says anything about subsequent prices in the Danish stock market. A large part of the work was cleaning many years of stock data, with companies entering and leaving the market. The relationship held, even after controlling for risk and autocorrelation, but was weaker than in the original US study.

LANGUAGES

Danish (native), English (fluent)