ALEX GÜNSBERG

Finance PhD Candidate · Data Scientist · Agentic Engineer
alexgunsberg.com | fi.linkedin.com/in/gunsberg

Summary

Finance PhD candidate turning ambiguous questions into defensible causal measurement and decision-ready numbers. Hands-on Python and SQL analysis of large linked administrative data, with explicit identification assumptions, segment-level effects, and out-of-sample validation. Previously a Data Scientist at Silicon Labs, a founder who raised 3M+ EUR, and a sales manager at an algorithm-based hedge fund. Builds software by directing AI coding agents and measuring where they fail. Ph.D. expected Spring 2027. Seeking data science, applied AI, fintech, and research roles at AI companies.

Skills

Causal inference · Econometrics · Prediction · Machine learning · Python · SQL · Git · Data pipelines · Agentic engineering · AI output evaluation · Failure metrics

Projects

An AI-driven training app. iOS and web app that writes each day's workout with AI and adapts it to equipment, injuries, and travel. Built by one person directing parallel AI coding agents. Rubric-based AI evaluation scores saved cases; failures are counted over time.

Running a fleet of coding agents. Up to 10 top-level coding lanes, with delegated subagents, through a shared task board. 3,700+ board tasks (Live + On main) since August 2026. Nightly release attempts from the newest main build that passes all checks. Each point where a human must step in becomes a tracked metric or check.

Industry Experience

Data Scientist, Silicon Labs | Sep 2020 – Aug 2021
Forecasting and reporting on SQL-backed transactional data with AWS ML tools and Tableau, at a NASDAQ-listed semiconductor company.

Entrepreneur | 2010 – 2020
Founded and co-founded start-ups; raised 3M+ EUR from angel and VC investors.

Business Area Manager, Aalto University Executive Education | 2014 – 2015

Senior Sales Manager, Estlander & Partners | 2011 – 2013
One of Scandinavia's early algorithm-based hedge funds.

Selected Research

Protective Rejections in Consumer Credit (solo job market paper)
Causal measurement with IV/2SLS on Finnish loan-comparison platform data linked to credit-registry defaults. Estimation sample: 90,786 applications drawn from 758,622. Among already-offered applicants, weekday processing delays instrument for disbursement. On the identified margin, disbursement raises 18-month default by 20.3 percentage points. One induced default erases profits from roughly six repaid loans.

Learning How To Borrow in a Fintech World (with Camelia M. Kuhnen)
Analyzed 730,000 applications, 750,000 offers, and 200,000 individuals from a Finnish online loan marketplace, linked to credit-registry records. Selected for Colorado Finance Summit 2026.

The Path, Not the Position (solo)
A model using the path of earlier scores, timing, and marks improves out-of-sample default prediction relative to using only the current score.

Research funding: 16 competitive research grants and fellowships, 2022–2026.

Education

Ph.D. in Finance, Hanken School of Economics | 2021 – 2027 (expected Spring 2027)
Supervisors: Camelia M. Kuhnen (UNC Kenan-Flagler), Anders Löflund (Hanken)

Visiting Scholar, UNC Kenan-Flagler Business School | 2025 – 2026

M.Sc. and B.Sc. in Economics and Business Administration, Hanken | 2005 – 2009
Excellent academic record (91%).

Leadership

Board Member, Niord | 2022 – 2024. Asset Management and Strategy Committees.

Supervised 30 M.Sc./B.Sc. theses; chaired 44 seminars.