

JACOB HEIN

machine learning, data science & financial sector specialist

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experience

Junior Economist - Danmarks Nationalbank

Financial Statistics

📅 March 2020 – August 2021 📍 Copenhagen, Denmark

- Production of external securities, investment and pension funds statistics with SQL controls and R (Shiny) dashboards

Student Analyst - Jyske Bank

Investment Management

📅 March 2019 - March 2020 📍 Silkeborg, Denmark

- Development of dashboards in R (Shiny) for analysis of macro-economic, financial and ESG data

Teacher - Aarhus Business College

Mathematics & Business Economics

📅 Sep. 2018 - July 2019 📍 Aarhus, Denmark

- Taught high school-level mathematics and business economics to more than 90 students

skills

- SQL, R (Shiny), Python (Tensorflow, Keras), MS Office (Excel)
- Written and spoken fluency in **Danish & English**
- Teamplayer, comfortable working independently
- Analytical and problem-solving mindset
- Strong in IT and computational thinking

education

M.Sc., Economics

University of Copenhagen

📅 August 2019 – June 2021

B.Sc., Mathematics-Economics

Aarhus University

📅 August 2016 – June 2019

Higher Technical Exam (HTX)

Aarhus Gymnasium (High school)

📅 August 2011 – June 2014

personal

- Mountainbiking, watersports and board games with friends and family
- Studying the latest deep learning and natural language processing research
- History and geopolitics nerd

extras

- **Danish Defence (Forsvaret):** Completed basic military training (Værnepligt) in the logistics regiment of the Royal Danish Army. One of the best experiences of my life.
- **Association of Mathematics-Economists:** Elected chairman of the board for our student association at Aarhus University. Organized events like company visits and school parties.