

# 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.