JACOB HEIN

Machine learning, data analysis & financial sector specialist

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EXPERIENCE

Junior Economist - Danmarks Nationalbank
Financial Statistics

📅 March 2020 – Present   📍 Copenhagen, Denmark

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

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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

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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 (cand.polit.)
University of Copenhagen

📅 August 2019 – June 2021

B.Sc., Mathematics-Economics
Aarhus University

📅 August 2016 – June 2019

Higher Technical diploma (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.