Ivar Soares Urdalen

Looking for roles in the Data Science / Finance space

Hi! I am on a path to make a career change from Civil Engineering to Data Science. I am currently pursuing a MSc in Financial Engineering from World Quant University while also taking courses/certifications and developing my own coding projects in data science. Check out my website to learn more about me and connect.

Contact

🏠 GitHub ✉ LinkedIn

Key Skills

- Excellent academic performance in analytical subjects (coding, math, statistics, etc.)
- Fast learner (example: learned fluent Portuguese in < 6 months)
- High working capacity (example: MSc at NTNU was completed during full time job as engineer)

Technical skills

Languages: 🐍 Python, JS JavaScript, Ⓡ R
Databases: 🛢 SQL (MySQL, PostgreSQL)
Frameworks: FastAPI, Dash(Plotly)
Other skills: ☁ AWS, Azure (cloud computing), 🐳 Docker (containers), Git (source control)

Languages

Norwegian: Native
English: Speak and write fluently
Portuguese: Speak and write fluently

Hobbies

🔤 Language learning
🌐 Travel
</> Coding

💼 Work

Current | 2022	**Personal projects** | Self employed Data Science / Financial engineering studies and personal projects
2022 | 2017	**Senior Consulting Civil Engineer** | Ramboll | Drammen, Norway 1. Leading consulting projects for water engineering (pipelines, pumping stations, treatment plants, stormwater design, etc.) 2. Typically having the Discipline Lead role in projects 3. Tasks: Producing tender documents, reports, design review, project management, BIM/CAD design. 4. Example of IT project: Assisting in deploying prototype for project QA with Python web app (Flask framework)
2017 | 2015	**Project Manager** | Aqua Unique Norway | Drammen, Norway 1. Tasks: Technical design in project, project management, contracts, supplier negotiations, marketing, strategy and recruitment. 2. Development of Excel spreadsheets for project budgets, pricing models, supplier comparison, technical design, etc. 3. Assisting with operation of IT infrastructure (website, email, file server, backup, wiki, CRM system, etc)
2015 | 2014	**Consulting Civil Engineer** | Asplan Viak | Oslo, Norway Tasks: Water and wastewater treatment plant design and BIM/CAD modelling. Material takeoff, P&ID, tender documents.
2012	**Engineering Intern** | COWI | Oslo, Norway Design of water distribution systems, and CAD modelling.
2009	**Developer Intern** | Silicon Labs formerly Energy Micro | Oslo, Norway C programming for development kit for energy efficient microcontroller.

</> Personal Projects

Current | 2022	**Stock Analysis Dashboard** Technology: Python, Plotly/Dash, SQlite Created a dashboard for statistical and technical analysis of stocks.

🎓 Education

Current | 2022	**MSc in Financial Engineering** | World Quant University Courses: Financial Markets, Financial Data, Financial Econometrics Heavy focus on using Python for data and statistical analysis
2015 | 2010	**MSc in Civil and Environmental Engineering** | Norwegian University of Science and Technology (NTNU) | Trondheim, Norway Average Grade: A Additional courses: Algorithms and Data Structures, Finance, Business Economics, C++ Programming
2014	**MSc Student exchange** | Federal University of Santa Catarina | Florianopolis, Brazil

All student work and lectures in Portuguese

2013 **Spanish and Portuguese Language Studies** | Independent learning | South America
Web apps, audio courses, etc

2009
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2008 **1st year - MSc in [Cybernetics and Robotics](#)** | [Norwegian University of Science and Technology (NTNU)](#) | Trondheim, Norway
Grade (1st yr): A

🎖 Awards

2007 **Winner of Informatics Olympiad for High School Students** | [Norwegian Informatics Olympiad](#) | Trondheim, Norway
Algorithmic Programming Competition for High School Students (C++ Programming)
Participated in Baltic Informatics Olympiad (BOI) and International Olympiad in Informatics (IOI).

🖥 Courses

Current
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2022 **[Applied Data Science Lab](#)** | [World Quant University](#)
Practical application of Python for Data Science (pandas, scikit-learn, model building, etc)

2014 **Data Analysis and Statistical Inference - [Certificate](#)** | Duke University (Coursera)
Statistics, Inference of Numerical and Categorical variables, Multiple Linear Regression

2013 **Computing for Data Analysis - [Certificate](#)** | Johns Hopkins (Coursera)
Intro course for R

2012 **Machine Learning - [Certificate](#)** | Stanford (Coursera)
Logistic Regression, Neural Networks, Support Vector Machines, K-means clustering, Principal Component Analysis