

JENS SVENSMARK, PHD

An experienced scientist specialized in computational physics.

Strong record of computational and mathematical skills, predictive modeling and data visualization.

Creative, driven and self-reliant.

Looking for a data science position in which I can continue to grow.



CONTACT

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📍 Tokyo

🏠 svensmark.jp

🌐 Jens Svensmark

SKILLS

Programming

Python

- scikit-learn
- numpy
- pandas

Fortran

Software & Tools

Visualisation (e.g. matplotlib, gnuplot, ...)

Data handling/analysis (e.g. numpy, scipy, pandas, ...)

Languages

English, native level

Japanese, intermediate (JLPT N2)

Danish, native level

German, elementary level

CERTIFICATES

Datacamp data scientist professional
JLPT N2

EXPERIENCE

📅 May 2021

📍 Datacamp

Data Science Certification

Certified as data scientist professional by Datacamp.

Built and deployed a model for predicting car resale prices as capstone project.

📅 Nov. 2019 - Now

📍 The University of Electro-Communications,
Chofu, Tokyo

Assistant Professor

📅 Nov. 2017 - Nov. 2019

📍 The University of Electro-Communications,
Chofu, Tokyo

Postdoctoral researcher

📅 Oct. 2016 - Oct. 2017

📍 Kansas State University, USA

Postdoctoral researcher

The main project I was in charge of was a benchmark effort to compare different algorithms for solving a common problem in atomic physics. This involved establishing standards for the benchmark, including convergence criterion, and coordinating between a number of different groups from both the US and Europe.

EDUCATION

📅 Aug. 2012 - Sep. 2016

📍 Aarhus University, Denmark

PhD in Physics

My PhD project was about simulating dynamics of molecules in strong laser fields. I worked with a low-level programming language (fortran) to create efficient programs for solving computationally intensive problems. I then collected and analysed results from these programs, and compared the results to approximate theories, in order to assess in which regimes those theories work well.

📅 2011-2014

📍 Aarhus University

Masters in Physics

Masters completed as part of my PhD.

📅 2008 - 2011

📍 Aarhus University

Bachelor in Physics

Supplementary courses in mathematics.