

JENS SVENSMARK, PHD

Data scientist

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
- Visualization
 - Matplotlib
 - Holoviews

Fortran

- High-performance computing
- OpenMP

Languages

English, native level

Japanese, intermediate (JLPT N2)

Danish, native level

German, elementary level

CERTIFICATES

Datacamp data scientist professional
JLPT N2

🔧 EXPERIENCE

Data Science Certification

📅 May 2021

📍 Datacamp

Certified as data scientist professional by Datacamp.
Built a model for predicting car resale prices as capstone project.
Deployed the model using a restful flask server.

Assistant Professor

📅 Nov. 2019 - Now

📍 The University of Electro-Communications,
Chofu, Tokyo

Predicted how molecules move when exposed to lasers
Implemented highly performant simulator in fortran
Validated analytical theories by comparing to numerical results

Postdoctoral researcher

📅 Nov. 2017 - Nov. 2019

📍 The University of Electro-Communications,
Chofu, Tokyo

Postdoctoral researcher

📅 Oct. 2016 - Oct. 2017

📍 Kansas State University, USA

Launched a benchmarking effort to identify most efficient algorithms for solving a numerically challenging problem in the field
Coordinated this effort between 9 research groups in the US, Europe and Asia.
Determined that the fastest method was more than 200 times faster than the slowest method.

🎓 EDUCATION

PhD in Physics

📅 Aug. 2012 - Sep. 2016

📍 Aarhus University, Denmark

Masters in Physics

📅 2011-2014

📍 Aarhus University

Masters completed as part of my PhD.

Bachelor in Physics

📅 2008 - 2011

📍 Aarhus University

Supplementary courses in mathematics.