

## Curriculum Vitae for Jonathan Feinberg

### Personal information

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### Summary

I am a specialist in probability theory, statistics and machine learning with heavy focus on numerical programming and practical applications. I am highly analytical in my thinking and can quickly break down open ended complex problems into manageable components. At the same time I am also an experienced programmer, with expert level knowledge in the Python programming language.

### Technical skills

Frameworks	Armadillo, GIS, Keras/Tensorflow, Matplotlib, NumPy/SciPy, Pandas, PyMC, Scikit-Learn, Statsmodels, XGBoost
Languages	Bash, C, C++, $\text{\LaTeX}$ , MATLAB, Python, R, RST/Markdown, Vim-script, Regular Expression
Tools	Continuous Integration, Version Control Systems, Documentation Generation

### Education

2015	PhD in Mathematics from the Department of Mathematics, University of Oslo. Thesis written at Simula Research Laboratory: "Some Improvements and Applications and Non-intrusive Polynomial Chaos Expansions" Supervised by Professor Hans Petter Langtangen.
2009	Master's degree in Modelling and Data Analysis, Department of Mathematics, University of Oslo. Thesis written at Norwegian Geotechnical Institute: "Threshold Definition of Early Warning Systems to Natural Hazards" Supervisor by Professor Bent Natvig.
2007	Bachelor's degree in Mathematics, Informatics and Technology, University of Oslo

## Professional experience

2016 –	Consultant at Expert Analytics
2016 –	Guest lecturer at the Department of Informatics, University of Oslo
2014 – 2015	Teaching Position at the Department of Informatics, University of Oslo
2014 – 2015	Private tutor at high school and undergraduate level at House of Math
2014 – 2015	Scientific Programmer for Simula Research Laboratory
2013 – 2014	Consultant at Kalkulo AS
2011 – 2014	Ph.D. student at Simula Research Laboratory
2009 – 2010	Research Assistant at Texas A&M University
2009 – 2009	Science Teacher at Smerud Medical Research
2008	Assistant Teacher at Department of Mathematics, University of Oslo
2007 – 2008	Student Ambassador at Public Relations and Events Office, University of Oslo
2007	Data Analyst at If P&C Insurance

## Languages

English	Fluent
Norwegian	Mother tongue

## Personal skills

Communication	I am able to convey research and condensed knowledge into a presentable and explainable form. Extensive experience as university lecturer and teacher.
Planning	I am a “Problem solver”, able to see strengths and weaknesses of proposed progress plans, grounded in fact-based thought.
Technology	I have a high enthusiasm for learning and mastering new skills within science, technology and programming.

## Some interests and hobbies

Personal	Traveling, Gin tasting
Tech	Bayesian Statistics/Probabilistic Modelling, Open Source Software, Machine Learning, Global Optimization Algorithms, Python programming