

Jonathan Mills

Curriculum Vitae

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Applied mathematician with strong analytical skills in mathematics & economics. Governmental experience. Recently moved to Singapore.

Experience

Jan 2016 – present **Head of Section**, DANISH MINISTRY OF TAXATION, Copenhagen, Denmark.

- Implemented a revised and expanded model for calculating car tax revenues
- Drafted written answers from the minister in response to parliamentary questions
- Assisted colleagues with producing and extracting relevant data sets
- Performed revenue analysis for proposed legislation
- Cooperated with external stakeholders to understand their requirements and wishes

Through my efforts as part of the team, my colleagues and I have been able to produce high-quality research and analysis at tight deadlines. Since Jan 2017, I have been working part-time from Singapore, to make sure I can pass on my expertise and discoveries to colleagues.

Sep 2014 – Nov 2015 **Teaching Assistant**, UNIVERSITY OF COPENHAGEN.

- Taught first, second and third year university students
- Stepped in and took large classes to cover for lack of TAs in the Economics courses
- Prepared lessons to strengthen students' knowledge of syllabus based on lecture materials
- Graded assignments and assisted students in their revision

As a teaching assistant, I strengthened my own academical abilities, while gaining valuable hands-on experience in presenting and communication.

Education

Sep 2013 – Oct 2015 **M.Sc., Mathematics-Economics**, *University of Copenhagen*, My M.Sc. degree represents the pursuit of a seven-year academical interest in economics and mathematics. During my two-year masters programme, I focused on Economics, but also took courses in Finance and Econometrics. GPA: 7.8 out of 12 (Danish scale, weighted by ECTS points)

Aug 2012 – May 2013 **On exchange**, *National University of Singapore*, To further my interest in Economics and Finance and expand my academic and cultural understanding, I studied at NUS on an exchange programme.. CAP: 3.75 out of 5.00 (calculated, passed subjects only)

Sep 2010 – Jun 2013 **B.Sc., Mathematics-Economics**, *University of Copenhagen*, During my bachelors, I gained a strong foundation in the mathematical areas of Measure Theory, Probability Theory and Analysis, combined with a rigorous approach to Economics, Finance and Statistics.. GPA: 10.2 out of 12 (Danish scale, weighted by ECTS points)

aug 2008 – jun 2010 **International Baccalaureate**, *Nørre Gymnasium*, My international baccalaureate endowed me with broad skills in science and literary analysis. During my second year, i developed a greater interest in mathematics and economics.. Points: 40 out of 45

Skills

General Data analysis, mathematical finance, economic analysis, statistics & teaching.

Programming Familiarity with C++, R, SAS and Excel.

Masters Thesis

Title *Costly access to credit markets in a DSGE model*

Supervisor Assistant professor Søren Hove Ravn

Grade 12 (Corresponding ECTS grade: A)

Description Within a DSGE model with involuntary unemployment, an additional effort choice is introduced for agents to obtain credit access. The model is then used to examine questions relating to credit availability, government policy and the business cycle.

Bachelors Thesis

Title *Privatization under a Stackelberg duopoly*

Supervisor Associate Professor Johan Lagerlöf

Grade 10 (Corresponding ECTS grade: B)

Description Three game theoretical models of privatization were developed, examining the effects of competition, managerial incentive and subsidy schemes upon privatization tradeoffs.

Selected Courses

Masters Advanced Programming, International Economics, Public Finance, International Monetary Economics & Continuous time Finance.

Bachelor Measure Theory, Operations Research, Statistical Methods for Finance (NUS), Topics in Economics: Understanding Government (NUS), Probability Theory and various Micro- and Macroeconomics.

Other

Languages Fluent: English & Danish. Intermediate: Finnish. Poor/learning: French & Mandarin.

Sports Training for up to 20 hours a week, won 40+ medals and placed top 10 nationally. Turned my interest into a job by later working for seven years as a certified part-time swimming instructor.

Practical Will need work pass if hired. References, Diplomas and Transcripts available on request.