

# **CURRICULUM VITAE – JESLYN SIOK HONG TAN**

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## **ACADEMIC QUALIFICATIONS**

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### **Qualification Obtained**

National University of Singapore (NUS)	Doctor of Philosophy (Economics), 2011 <i>[Cumulative Average Point: 5/5]</i>
NUS	Masters of Social Sciences (Applied Economics), 2003 <i>[Cumulative Average Point: 4.44/5]</i>
NUS	Degree of Social Sciences with Honours (2 <sup>nd</sup> Upper Class Division), 2000 <i>[Cumulative Average Point: 4.52/5]</i>

## **AWARDS/ SCHOLARSHIPS RECEIVED**

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NUS Letter of Commendation for Graduate Tutor, 2008/2009  
NUS President Graduate Fellowship, 2007-2009  
NUS Research Scholarship, 2006-2009  
NUS Dean's List, 1996-1999  
Academic Award, 1995

## **RESEARCH INTERESTS**

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Economics of Aging, Demography and Mortality Forecasting, Public Economics, Economic Growth Forecasting and Time-Series models, ARCH/GARCH models.

## **PHD THESIS RESEARCH**

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Chapter 1: Forecasting Life Expectancy  
Chapter 2: Forecasting Real GDP Growth Rates Using Mortality Index  
Chapter 3: Fiscal Implications of Population Aging in Singapore

## **EMPLOYMENT HISTORY**

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2013: **Singapore Management University (SMU)**  
Position Held: Adjunct Faculty, School of Economics, SMU  
Course: Economics of Ageing

*July 2013*

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2011 to Present: **Monetary Authority of Singapore**

Position Held: Senior Economist, Modelling Division, Economic Analysis Department

Job Scope & Responsibilities

Involved in the modelling work of the Monetary Model of Singapore, Long Term Model of Singapore and the Demographic Model.

Proposing research ideas and carrying out research to support the work of the Authority.

2010-2011: **Energy Market Authority**

Position Held: Senior Principal Analyst, Research and Statistics Unit

Job Scope & Responsibilities

Production of Singapore Energy Statistics 2009 & project management for Business Intelligence Project.

Compile, analyze and report Singapore's energy statistics and revise existing methodologies to ensure consistency with international standards.

Develop and build relevant energy models including the Singapore Energy and Greenhouse Gas Model, emissions and energy demand forecast models to support policy review and planning work.

Undertake and support energy-related research and multi-agency initiatives using both quantitative and qualitative analysis.

Design sampling methodology & experimental trial for Intelligent Energy System Pilot Trial.

2006-2010: **NUS**

Position Held: Teaching Assistant/Research Scholar

Postgraduate Level (2009-2010):

FE5101 Derivatives & Fixed Income, Master of Science (Financial Engineering Program)

Undergraduate Level (2006 – 2009):

EC1101E Introduction to Economic Analysis

EC1301 Principles of Economics

EC3351 Public Finance

2005: **MINISTRY OF NATIONAL DEVELOPMENT (MND)**

Position Held: Research Economist (Research & Planning Unit)

Job Scope & Responsibilities

Undertake and support research projects and multi-agency initiatives.

Supplement MND research capabilities with quantitative and qualitative analysis.

Review MND's policies with medium to long-term perspectives, including its Public Housing and non-Public Housing Block Budget.

Planning and coordinating MND's 2006 Corporate Planning Retreat.

*July 2013*

2000-2005: **MINISTRY OF FINANCE (MOF)**  
Position Held: Policy Analyst (Social Programmes)

Job Scope & Responsibilities

***Deskhead for Ministry of Information, Communications and The Arts (MICA), MND and Singapore Totalisator Board.***

Oversee funding policies, tax incentive proposals and budgetary allocation for the ministries.

Develop a block budget funding system and review their annual block budget cap.

Implementation of resource budgeting and debt-equity framework, design new and improve on existing funding schemes.

**COMPUTER KNOWLEDGE/SOFTWARE**

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MICROSOFT Office Skills

GAUSS

EVIEWS

SPSS

SAS

Powersim Modelling

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