Thomas Michael Pugh

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Senior Economist at Bank of Canada specialising in heterogeneity in Macroeconomics after PhD from UCL and previous economic consultancy experience.

HIGHLIGHTS

- PhD in Economics, specialising in applied macroeconomic and financial modelling, using advanced economic and statistical analyses, data science and econometrics
- Client engagement and project management skills gained through analyst role at Oxera Economic Consulting, focussing on financial services, competition analysis and regulation
- Financial and econometric teaching experience, translating complex theories and methods into compelling courses for students to develop their knowledge, problem solving and analysis skills
- Experienced coder in Matlab, R, Fortran and Stata

ACADEMIC HISTORY

2014-2019	**PhD Economics** Economic & Social Research Council Scholar in Advanced Quantitative Methods University College London (UCL) Expected completion January 2019	● Research themes: wealth dynamics, entrepreneurship, credit constraints, business cycle fluctuations and transmission of aggregate shocks ● Key project tasks: developing bespoke dynamic programming models, nonparametric time series analysis of wealth and large business datasets, General Methods of Moments estimation ● Papers: “Wealth and Mobility: Superstars, Returns Heterogeneity and Discount Factors”; “Entrepreneurs, Turbulence and Inequality Dynamics - Who Has Wealth Matters”; “The Wealth and Assets Survey & Wealth Dynamics at the top”; “New-Keynesian Entrepreneurs and Monetary Policy Risk” (work in progress)
2013-2014	**MRes Economics (Distinction)** UCL	● Distinctions in all components: core modules; optional modules (Time Series Econometrics, Economics of Finance) and dissertation ● Dissertation: “Entrepreneurs and Aggregate Fluctuations”
2011-2012	**MSc Economics (Distinction)** UCL	● Distinction in all final exam modules and dissertation ● Dissertation: “Is the Granular Residual Valid? A DSGE Evaluation” (awarded “Best Dissertation” prize)
2008-2011	**BSc Economics & Philosophy (1st Class Honours)** London School of Economics (LSE)	● Dissertation: “Criminal Justice as an Economic Science” ● Treasurer of Philosophy Society (2008-09), President of Philosophy Society (2009-10), Head Editor of Philosophy academic journal Rerum Causae (2011-12)
2001-2008	**A Levels & GCSE’s** Parmiter’s School	● 4 A’s at A Level (Economics, Maths, English Literature, Sociology) ● 7 A*’s, 5 A’s at GCSE

EMPLOYMENT HISTORY

2019-	**Senior Economist** Bank of Canada	● Conduct academic research, advise on policy in area of specialty ● Contribute to development of Next Generation monetary policy models ● Founding member of Bank of Canada HetLab
2018; 2014-2016	**Research Assistant** UCL	● Research Assistant to Antonio Guarino (2018) on project "Long Term Rational Herding In Financial Markets". Completed structural modelling and analysis of experimental data ● Research Assistant to Prof. Mariacristina De Nardi (2014-16) on project "Entrepreneurs and Aggregate Shocks". Encoded, solved and tested advanced dynamic programming models
2014-2017	**Teaching Assistant** UCL	● Designed and led seminars and lectures for communication of economic concepts, solution of models and analysis of data ● Received excellent student evaluations which demonstrated clear communication skills, attention to detail and creativity in methods ● Courses: Economics of Finance & Asset Pricing (2017); Economics of Financial Markets (2016); Econometrics for Macroeconomics and Finance (2015); MSc Mathematics & Statistics for Economists (2014)
2015	**Representative for Economics Teaching Assistants** UCL	● Liaised between the Economics Department and Teaching Assistants ● Organised teaching resources, suggested solutions for TA problems and advised on departmental teaching policies
2012-2013	**Analyst** Oxera Economic Consulting LLP	● Performed rapid economic and statistical analysis in order to write and present reports which conveyed economic knowledge, research findings and forecasts to clients and wider stakeholders ● Worked with clients as part of international project teams that delivered reports to regulators, government departments, courts and companies ● Cases were predominantly within the financial sector, relating to commodities trading or clearing and systemic risk. This included mergers, market abuse, financial regulation, competition analysis, macroeconomic modelling and utility regulation

ADDITIONAL SKILLS

Coding software: Matlab, R, Fortran and Stata (all fluent), Python, EViews and C++ (basic), MS Excel (fluent)
Languages: English (fluent), French and German (basic)

ACTIVITIES AND INTERESTS

I lead an Artificial Intelligence and Machine Learning Society at Goodenough College, where I teach coding and arrange lectures from visiting academics and practitioners. Within the college, I also lead meditation sessions and organise food-themed social events, for which I am proud to have won several awards for Outstanding Contribution. I am also a keen member of the fencing team, enjoy cycling and frequently attend my local gym.

REFERENCES

Dr Vincent Sterk (UCL): v.sterk@ucl.ac.uk
Prof. Mariacristina De Nardi (Federal Reserve Bank of Minnesota; UCL): m.denardi.ac.uk
Prof. Antonio Guarino (UCL): a.guarino@ucl.ac.uk