

VSEVOLOD IAKOVLEV

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POSITIONS

Research Associate

Heriot-Watt University, TransiT

- Digital Twinning for Transport Decarbonisation

Edinburgh, UK

November 2025 – Present

Research Assistant

Heriot-Watt University

- Statistical Review of World Energy 2022, 2023
- Current Population Survey datasets matching

Edinburgh, UK

March 2022 – June 2023

EDUCATION

PhD, Economics

Heriot-Watt University, Centre for Social and Economic Data Analytics

- Thesis title: *Essays on Labour Mismatch*
- Supervisors: Prof Cristina Tealdi, Dr Rachel Forshaw, Dr Erkal Ersoy

Edinburgh, UK

September 2021 – September 2025

MSc, Economics

University of Edinburgh, Scottish Graduate Programme in Economics

- Focus on microeconomics, econometrics, labour economics, applied microeconomics
- Dissertation on the effect of tuition fees on labour mismatch in the UK; supervised by Prof Keith A. Bender

Edinburgh, UK

September 2020 – August 2021

MA (Hons), Economics with Management Science

University of Edinburgh

- Focus on mathematical economics, microeconomics, econometrics, linear programming, operational analysis
- Dissertation on the revealed preferences theory and college admissions; supervised by Prof Simon Clark

Edinburgh, UK

September 2016 – May 2020

TEACHING EXPERIENCE

University of Edinburgh

- SGPE Econometrics 1 (postgraduate) – Tutor
- SGPE Econometrics 1 (postgraduate) – Stata labs assistant

September 2021 – May 2024

Heriot-Watt University

- Econometric Methods (postgraduate) – Stata labs assistant
- The Economy (undergraduate) – Exam marker

January 2023 – May 2024

PUBLICATIONS & WORKING PAPERS

Matched or Mismatched? Unpacking Gender Mismatch Gaps with Machine Learning with C. Tealdi (2025), Revise and resubmit at *Labour Economics*, Available at SSRN.

Skill vs. education types of labour mismatch and their association with earnings (2024), Available at Accountancy, Economics, and Finance Working Papers

Using machine learning methods to estimate the gender wage gap with R. J. Forshaw, M. E. Schaffer, C. Tealdi (2024), *Machine Learning for Econometrics and Related Topics* (pp. 109-129). Cham: Springer Nature Switzerland.

An introduction to stacking regression for economists with A. Ahrens, E. Ersoy, H. Li and M. E. Schaffer (2022), *International Conference of the Thailand Econometrics Society* (pp. 7-29). Springer, Cham.

CONFERENCE PRESENTATIONS

2025 SGPE Residential Conference

Crieff, UK

2024 Workshop on Frontiers of Macro – Labour Economics

Edinburgh, UK

Scotland and Northern England Conference in Applied Microeconomics

Crieff, UK

SGPE Residential Conference

Crieff, UK

2023 SGPE Residential Conference

Crieff, UK

CODE

toysimlm – Python implementation of a simple microsimulation of labour mismatch based on a static interpretation of the two-sided matching model

dap_mrs – Python implementation of the deferred acceptance procedure designed to compute an applicant-optimal assignment using agents' characteristics and their counterparts' marginal rate of substitution

mismatch_toolbox – Python implementation of multiple approaches for computing educational and skill mismatch using data from the 1st Cycle of the Survey of Adult Skills (PIAAC)

INDUSTRY EXPERIENCE

Analyst Intern

Edinburgh, UK

IC Select

June 2020 – August 2020

- Built an MS Access database to centralise fiduciary manager selection data.
- Conducted an analysis of fiduciary managers' reports and presented findings to the team.

Activity Leader

Edinburgh, UK

Fettes Centre for Language and Culture

July 2017, July 2018

- Supervised students on campus, led project sessions and excursions, organised summer camp activities

SKILLS

Programming: Python (pandas, NumPy, Matplotlib, scikit-learn, DoubleML), Stata, R, MATLAB

Tools: Git, Excel, MS Access, GAMS, \LaTeX

Methods: Economic modelling, econometrics, machine learning, causal inference, simulation modelling

Datasets: PIAAC, LFS, CPS, energy data

Languages: Russian (native), English (fluent)

WORKSHOPS & TRAINING

Treatment Effects and Machine Learning

Oxford, UK

University of Oxford

September 2022

Machine Learning for Economists

St Andrews, UK

University of St Andrews

August 2022

LEADERSHIP & VOLUNTEERING

Jiu Jitsu Instructor

Edinburgh, UK

James Gillespie's High School, Edinburgh University Jiu Jitsu Club

September 2021 – Present

- Volunteered to lead junior and university-level jiu jitsu sessions; certified instructor under the Jiu Jitsu Foundation

Team Captain and Wellbeing Officer

Edinburgh, UK

Edinburgh University Judo Club

April 2024 – April 2025

- Provided support for the university judo team and helped to organise the travel logistics

Co-Founder and Treasurer

Edinburgh, UK

ScotQuan

March 2019 – May 2020

- Co-founded a student-led data-consulting social enterprise, and managed its finances and business development

AWARDS

First Place Award for SGPE Econometrics Project

May 2021

Fettes Centre for Language and Culture Staff Above and Beyond Award

July 2018