

*Department of International Economics
The Graduate Institute
Geneva, Switzerland*

Education

- 2012-16 THE GRADUATE INSTITUTE
Doctor of Philosophy in Development Economics, Defence in September 2016
- 2010-12 UNIVERSITY OF ST. GALLEN
Master in Quantitative Economics and Finance
- 2006-10 UNIVERSITY OF GRONINGEN
Bachelor of Science in Economics
- 2006-10 UNIVERSITY OF GRONINGEN
Bachelor of Arts in Theoretical Philosophy

Academic Positions

- 2015-16 Economist Fellow; The Internet Society, Geneva
- 2014-15 Research Assistant; Centre on Conflict, Development and Peacebuilding, Geneva
- 2013-14 Research Assistant; Centre for Finance and Development, Geneva
- 2013 Teaching Assistant; The Graduate Institute, Geneva
- 2010 Research Assistant; University of Groningen

Research Interests

Complexity Modelling
Artificial Neural Networks
Microeconometrics
Distributed Systems: e.g. Blockchain (Bitcoin)
Internet Connectivity in Developing Countries

Research Projects: Current and Planned

Neural Networks and Complex Emergencies: Neighbourhood Security and Ebola in Guinea

Making the Next Billion Demand Access: The Local-Content Effect of Google.co.za in Setswana

Word Prediction using LSTM-RNN on mobile GPU

Research Submissions

- 2016 “Making the Next Billion Demand Access: The Local-Content Effect of Google.co.za in Setswana” *EEA 2016*

Research Publications

- 2015 “decompr: GVC decomposition in R” *CTEI Working Paper Series*
- 2014 “Cryptocurrency and Inflation” *CFD Working Paper Series*

Software Publications

- 2016 `rnn` CRAN. First Recurrent Neural Network in the R language.
<https://cran.r-project.org/package=rnn>
- 2015 `rddtools` CRAN. Framework and tools for Regression Discontinuity Design.
<https://cran.r-project.org/package=rddtools>
- 2015 `learNN` CRAN. Learn how Neural Networks works.
<https://cran.r-project.org/package=learNN>
- 2014 `decompr` CRAN. Global Value Chain decomposition.
<https://cran.r-project.org/package=decompr>
- 2014 `gvc` CRAN. Tools for Global Value Chain analysis.
<https://cran.r-project.org/package=gvc>
- 2014 `wiod` CRAN. Data package containing the World Input Output Database.
<https://cran.r-project.org/package=wiod>
- 2014 `diagonals` CRAN. Tools for manipulating fat-diagonal matrices (e.g. block matrices).
<https://cran.r-project.org/package=diagonals>

Other Publications

- 2014 Diagnostic Local de Sécurité 2014 de Conakry (Guinée) *Coginta*
- 2013 Diagnostic Local de Sécurité 2013 de Genève (Suisse) *Coginta*

Affiliations

The Internet Society

Centre for Finance and Development

Centre on Conflict, Development and Peacebuilding

Centre on Trade and Economic Integration