

# Paweł Budzianowski

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## Profile:

- reinforcement learning for dialogue systems
- generative training with restricted Boltzmann machines
- long multivariate time-series

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## Education:

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|--------------|---|
| 2016-present | University of Cambridge – <b>PhD in Dialogue Systems, Machine Learning</b> <ul style="list-style-type: none"><li>– EPSRC and Toshiba PhD Research Studentship</li></ul>   |
| 2015- 2016   | University of Cambridge – <b>MPhil in Machine Learning, Speech and Language Technology</b> <ul style="list-style-type: none"><li>– first-class honours</li><li>– Santander Bank and Clare Hall scholarships</li></ul>                                       |
| 2010 - 2015  | Adam Mickiewicz University in Poznań - <b>mathematics</b> , specialization: <b>time series modelling, data analysis</b> <ul style="list-style-type: none"><li>– first-class honours</li><li>– Rector's scholarships for achievements in education</li></ul> |
| 2009 - 2013  | Poznań University of Economics - <b>economics</b> , specialization: <b>global management</b> <ul style="list-style-type: none"><li>– Rector's scholarship for achievements in education</li></ul>   |
| 2002 - 2006  | 1st degree State Music School in Strzelce Krajeńskie - clarinet class   |

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## Work experience:

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| September 2014 - February 2015 | <b>Junior Consultant in Xcellence:</b> <ul style="list-style-type: none"><li>– business process identifying and mapping, trainings on business process modeling, creating business analysis and business plans,</li></ul>   |
| September 2012 - April 2013    | <b>Controlling Specialist's Assistant in TPA Horwath Polska:</b> <ul style="list-style-type: none"><li>– gathered and processed data for the strategic report, created financial reports, gathered and processed large datasets for controlling reports, assisted in implementing the ERP system,</li></ul> |

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## Academic/Leadership experience:

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| September 2016                 | <b>Second place in Data Science Game</b> – international machine learning competition  |
| 2014-2015                      | <b>Founder and first president</b> of The Applied Mathematics and Computer Science Circle at Adam Mickiewicz University in Poznan  |
| September 2014                 | Internship in <b>the Economic Institute in the National Bank of Poland</b> <ul style="list-style-type: none"><li>– consultation regarding the master thesis</li></ul>  |
| December 2013 – September 2014 | Participant of <b>the Academic Economic Consensus</b> - the national macroeconomic forecasting competition for students <ul style="list-style-type: none"><li>– <b>the winner of the general classification in the first round</b></li></ul> |

- June 2014      **The winner of IV Polish Independent Championship in Data Analysis** in Wroclaw
- May 2014      **Speaker at the III Financial Mathematics Conference in Cracow**  
– Application of copulas in analyzing dependence of financial products
- May 2014      **Publication in scientific monograph**  
– Copula models in macroeconomics analysis of dependence

### **Achievements and skills:**

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- **fluent in English, intermediate in Portuguese, basic in German**
- member of Austrian Economics Club
- **experienced with R, MATLAB, Gretl and Microsoft Office**
- **pilgrimage across Spain - Camino de Santiago (774 km)**
- **references:** dr Richard Turner, Lecturer at University of Cambridge, [ret26@cam.ac.uk](mailto:ret26@cam.ac.uk); dr. Jacek Wallusch, former member of Economic Theory and History Faculty at Poznan University of Economics, [jwallusch@yahoo.de](mailto:jwallusch@yahoo.de);
- interests: applying mathematics in the theory of economics, classical music, guitar and clarinet, the 19<sup>th</sup> century Russian literature, basketball, tennis