

# Tomas Vaškevičius

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<https://tomasvaskevicius.github.io>

## Education

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- **University of Oxford** Oxford, UK  
*DPhil Student, Department of Statistics* Oct 2017 - March 2022 (expected)
  - The first year consisted of taught modules and mini-projects across different areas of Statistics.
  - Since Oct 2018, I am supervised by [Varun Kanade](#) and [Patrick Rebeschini](#).
- **University of Oxford** Oxford, UK  
*Master of Mathematics and Computer Science, MMathCompSci* Oct 2013 - Jun 2017
  - Awarded the **best 4th-year project award**. See my GitHub page for the [report](#) and [code](#).
  - First-Class Honours in each year of studies.

## Accepted Papers and Preprints

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- **Distribution-Free Robust Linear Regression**
  - with J. Mourtada and N. Zhivotovskiy. *Mathematical Statistics and Learning (to appear)*, [arXiv 2102.12919](#).
- **Suboptimality of Constrained Least Squares and Improvements via Non-Linear Predictors**
  - with N. Zhivotovskiy. *Under revision at Bernoulli*, [arXiv 2009.09304](#).
- **The Statistical Complexity of Early-Stopped Mirror Descent**
  - with V. Kanade and P. Rebeschini. *NeurIPS 2020 (spotlight)*, [arXiv 2002.00189](#), [code](#).
- **Implicit Regularization for Optimal Sparse Recovery**
  - with V. Kanade and P. Rebeschini. *NeurIPS 2019*, [arXiv 1909.05122](#), [code](#).

## Teaching Experience

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- Designed and led practical sessions for a summer school on the *Mathematics of Machine Learning* ([see GitHub](#)) (main instructor: P. Rebeschini). Practical sessions included topics on *robust mean estimation, model selection, first-order methods in optimization, compressed sensing and sparse linear prediction*.
- In 2020, received a Computer Science department **teaching award**.
- I have been a class tutor and a teaching assistant for the following courses: *Algorithmic Foundations of Learning, Computational Learning Theory, Advanced Topics in Statistical Machine Learning* and *Foundations of Statistical Inference*.

## Software Development Internships

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- **Facebook**. *Built and integrated a JNI/C++ bridge.* Menlo Park, CA, Summer 2016
- **Amazon**. *Worked on a DVD rental recommendations system (Java).* London, UK, Summer 2015
- **Softwire**. *Worked on building a Battleships game tournament framework.* London, UK, Summer 2014

## Other

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- **International Mathematical Olympiad** – honourable mention (2013).
- **International Olympiad in Informatics** – participant (2013).
- **Baltic Olympiad in Informatics** – bronze medals (2012 and 2013).
- **Middle European Mathematical Olympiad** – participant (2011) and bronze medal (2012).
- **Lithuanian Mathematical Olympiad** – 2<sup>nd</sup>, 1<sup>st</sup>, 2<sup>nd</sup>, 2<sup>nd</sup> places (2010 - 2013).
- **Lithuanian Olympiad in Informatics** – 3<sup>rd</sup>, 3<sup>rd</sup>, 2<sup>nd</sup>, 2<sup>nd</sup> places (2010 - 2013).