# Martino Banchio

| | | |
|---|---|---|
| **CONTACT INFORMATION** | 1600 Amphitheatre Parkway<br>Mountain View, CA 94043 | Homepage: sites.google.com/martinobanchio<br>✉ E-mail: mbanchio@stanford.edu |

| | | |
|---|---|---|
| **CURRENT POSITION** | **Research Scientist**, Google Research – Mountain View, USA | 2023 – |

| | | |
|---|---|---|
| **EDUCATION** | **Ph.D. Economics**, Stanford Graduate School of Business, USA | 2018 – 2023 |
| | **M.A. Economics**, Collegio Carlo Alberto, Italy. | 2014 – 2018 |
| | **M.Sc. Mathematics**, Università di Torino, Italy. | 2016 – 2018 |
| | **B.Sc. Mathematics**, Università di Torino, Italy. | 2013 – 2016 |

| | | |
|---|---|---|
| **WORKING PAPERS** | **Adaptive Algorithms and Collusion via Coupling**, *with G. Mantegazza.*<br>  ○ Extended Abstract in EC'23. | October 2022 |
| | **Artificial Intelligence and Auction Design**, *with A. Skrzypacz.*<br>  ○ Extended Abstract in EC'22.<br>  Recipient of the *Exemplary AI Track Paper Award.* | February 2022 |
| | **Dynamic Pricing with Limited Commitment**, *with F. Yang.* | February 2021 |
| | **Targeting in Tournaments with Dynamic Incentives**, *with E. Munro.*<br>  ○ First Prize, Research Paper Competition<br>  MIT Sloan Sports Analytics Conference 2020 | January 2020 |

| | |
|---|---|
| **OTHER PUBLICATIONS** | **Market Design for AI Algorithms**, *with A. Skrzypacz.*<br>ACM SIGecom Exchanges 20(2), pp. 62-68, 2022 |

| | | |
|---|---|---|
| **WORK AND TEACHING EXPERIENCE** | • **Market Design, Economist** intern at CaaStle, Inc. | 2022 |
| | • **CA for "Smart Pricing and Market Design"** | 2021, 2022 |
| | • **Research Assistant for A. Skrzypacz and M. Ostrovsky** | 2020 – 2022 |
| | • **Research Assistant for E. Luciano** | 2017, 2018 |
| | • **TA for "Geometry 2"**: Topology, homotopy and projective geometry | 2016, 2017 |
| | • **TA for "Basic Programming"**: Foundations of C++ | 2015 |

| | | |
|---|---|---|
| **AWARDS AND SCHOLARSHIPS** | • *Exemplary AI Track Paper Award* at EC'22 | 2022 |
| | • *Stanford HAI Graduate Fellow*. | 2022 |
| | • *First Prize, Research Paper Competition* at the MIT Sloan SAC | 2020 |
| | • *Prize "Luigi Bobbio"* for best Allievi Master Thesis. | 2018 |
| | • *Scholarship "Erasmus Traineeship"* at Institut de Mathématiques de Toulouse. | 2018 |
| | • *Scholarship for summer school on Modular Forms* at University of Padua. | 2017 |
| | • *Scholarship for summer school on Applied Bayesian Statistic* in Como. | 2017 |
| | • *Scholarship "Fondazione CRT"* for a three-month study exchange in Surgut, Russia. | 2011 |

| | | |
|---|---|---|
| **INVITED TALKS** | Econometric Society Winter Meeting, Kellogg MEDS, IESE, Microsoft Research,<br>UPenn, Boston University, Bocconi, TSE | 2023 |
| | SAET Conference, Harvard University (EconCS seminar), Google Research | 2022 |
| | Collegio Carlo Alberto | 2020 |

| CONFERENCES | NBER New Directions in Market Design, MAD Conference, ACM EC '23, Future of AI and Economics (organizing committee) | 2023 |
| | International IO Conference, ACM EC '22, SITE Workshop, NBER Economics of AI 11th EIEF-UNIBO-IGIER Workshop on Industrial Organization | 2022 |
| | EEA Congress | 2021 |
| | Warwick Economics PhD Conference | 2020 |

LANGUAGES AND SKILLS

Italian (native), English (proficient), French (advanced)
LaTeX, Julia, Python

REFERENCES

**Andrzej Skrzypacz** (Primary advisor)
Theodore J. Kreps Professor of Economics
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
skrz@stanford.edu

**Michael Ostrovsky**
Fred H. Merrill Professor of Economics
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
ostrovsky@stanford.edu

**David M. Kreps**
The Adams Distinguished Professor of Management, Emeritus
Stanford Graduate School of Business
655 Knight Way, Stanford, CA, 94305
kreps@stanford.edu