

Matheus Venturyne Xavier Ferreira

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PERSONAL DATA

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RESEARCH INTERESTS

I'm broadly interested in Algorithmic Design under Uncertainty and the interplay of Algorithmic Game Theory, Information Security, Fairness and Policy.

EDUCATION

In Progress	Doctor of Philosophy in COMPUTER SCIENCE, Princeton University PhD Advisor: S. Matthew Weinberg
JULY 2016	B.S. in COMPUTER ENGINEERING at Universidade Federal de Itajuba , Itabira, Brazil GPA: 92.8/100

HONORS AND AWARDS

• LATInE Fellow	July 2020
• 2020 CRA-WP Grad Cohort for URMD	March. 2020
• AGT Mentoring Workshop Grant, ACM	June 2019
• Dean's Grant, Princeton University	2016 - 2021
• First Year Fellowship, Princeton University	Sept. 2016
• Academic Accolade for best student, Unifei	July 2016
• Congratulations from Higher Counsel, Unifei Higher Counsel	June 2016
• Motion of Applause , Municipal Chamber of Itabira	May 2016
• George Varghese Espresso Prize , UC San Diego	Dec. 2014
• Brazil Scientific Mobility Program , UC San Diego	JAN-DEC 2014
• Fapemig Research Scholarship, LOTMine, UFMG, Brazil	Sept 2013
• 1 st Line Follower Robot Competition, Unifei, Brazil	Sept 2013
• Fapemig Research Scholarship, Unifei, Brazil	Feb 2012

WORKING PAPERS

1. Matheus VX Ferreira and S Matthew Weinberg. Proof-of-stake mining games with perfect randomness. 2020

RESEARCH PAPERS

1. Matheus V. X. Ferreira and S. Matthew Weinberg. Credible, truthful, and two-round (optimal) auctions via cryptographic commitments. In *Proceedings of the 21st ACM Conference on Economics and Computation*, EC '20, page 683–712, New York, NY, USA, 2020. Association for Computing Machinery
2. Tithi Chattopadhyay, Nick Feamster, Matheus V. X. Ferreira, Danny Yuxing Huang, and S. Matthew Weinberg. Selling a single item with negative externalities. In *The World Wide Web Conference*, WWW '19, page 196–206, New York, NY, USA, 2019. Association for Computing Machinery

WORK EXPERIENCE & LONG TERM VISITS

- Research Assistant, Harvard University June 2020 – Present
Supervisor: Professor [David Parkes](#)
- Research Assistant, Princeton University June 2017 – Present
Supervisor: Professor [S. Matthew Weinberg](#)
- Non-degree international student, University of California, San Diego 2014
GPA: 3.92/4.00
- Broadcom Corporation at San Diego, California Jun-Sept 2014
Software Development Engineer Intern in Bluetooth/NFC Software Team
Supervisor: David Hughes

CONSULTING

- Mechanism Design Researcher, [Offchain Labs, Inc.](#) May 2020 – Present
Supervisor: [Dr. Ed Felten](#)

SERVICE

Journal Reviewer

- [Games and Economic Behavior](#) (2019 to Present).

Program Committee

- [Cryptoeconomic Systems](#) (2020).
- [Global Challenges in Economics and Computation](#) (2020).

Invited External Reviewing

- ACM Advances in Financial Technologies (AFC) 2020.
- Innovations of Theoretical Computer Science (ITCS) 2019, 2020.
- Conference on Web and Internet Economics (WINE) 2018, 2019.

DIVERSITY, INCLUSION & OUTREACH

- Peer Mentor, [Graduate Scholars Program](#), Princeton University, 2019 to Present.
- Peer Educator, [LGBTQIA Peer Ed Program](#), Princeton University, 2019.
- Mentor, [Princeton Summer Programming Experience](#), Princeton University, 2017
- Mentor, [Princeton Women in Computer Science](#), Princeton University, 2016