Matheus Venturyne Xavier Ferreira

PERSONAL DATA

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EDUCATION

In Progress Doctor of Philosophy in Computer Science, Princeton University

PhD Advisor: Matthew Weinberg

JULY 2016 B.S. in COMPUTER ENGINEERING at Universidade Federal de Itajuba, Itabira, Brazil

GPA: 92.8/100

JAN-DEC 2014 Non-degree international student, University of California, San Diego

GPA: 3.92/4.00

WORK EXPERIENCE

Jun-Sept 2014 | Broadcom Corporation at San Diego, California

Software Development Engineer Intern in Bluetooth/NFC Software Team

RESEARCH PAPERS

Selling a Single Item with Negative Externalities: To Regulate Production or Payments?

Tithi Chattopadhyay, Nick Feamster, Matheus V. X. Ferreira, Danny Yuxing Huang, S. Matthew Weinberg.

In Proceedings of The Web Conference 2019.

WORKING PAPERS

• Proof-of-Stack Blockchain Minting Games

Matheus V. X. Ferreira, S. Matthew Weinberg.

· How to Force Mechanisms to Commit

Matheus V. X. Ferreira, S. Matthew Weinberg.

TALKS

June 2019	Theory of Computer Science Group, Princeton University How to Force Mechanisms to Commit
May 2019	The Web Conference 2019, San Francisco, CA
,	Selling a Single Item with Negative Externalities: To Regulate Production or Payments?
December 2018	Gems of Theoretical Computer Science Seminar, Princeton University
	Simple $\log \log rank$ competitive algorithm for matroid secretary
June 2018	Poster Session, 19th ACM EC 2018, Ithaca, NY
	Mitigating Insecure Devices, to Regulate Consumers or Manufacturers?
March 2018	Mechanism Design Seminar, Princeton University
	The matroid secretary problem for minor-closed classes and random matroids
October 2017	Gems of Theoretical Computer Science Seminar, Princeton University
	Rational seceret sharing and secure multi-party computation
June 2017	Mechanism Design Seminar, Princeton University
	Selling a Single Item with Negative Externalities: To Regulate Production or Payments?

COURSE WORK

Open Problems in Algorithmic Game Theory, Theoretical Machine Learning, Advanced Cryptography, The Probabilistic Method, Advanced Algorithm Design, Probability in High Dimension, Advanced Computer Networks, Automated Reasoning about Software

TEACHING EXPERIENCE

Economics and Computation (COS 445)
Computation Geometry (COS 451)
Computer Security
Objected-Oriented Programming (ECO 30)

SOFTWARE

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Jun 2014 | Vein - Rivers of Blood

Class Project Supervised by Geoff Voelker

• Developed a distributed, real-time, 3D, multiplayer survival race game of microorganisms in the human body using C++ and DirectX11.

HONORS AND AWARDS

	Dean's Grant, Princeton University
SEPT. 2016	First Year Fellowship, Princeton University
JULY 2016	Academic Accolade for best student, Universidade Federal de Itajuba
DEC. 2014	George Varghese Espresso Prize, University of California, San Diego
JAN-DEC 2014	Brazil Scientific Mobility Program, fully-funded scholarship recipient
	University of California, San Diego
SEPT 2013	Fapemig Research Scholarship, LOTMine, Universidade Federal de Minas Gerais, Brazil
SEPT 2013	1^{st} Line Follower Robot Competition, Universidade Federal de Itajuba, Brazil
FEB 2012	Fapemig Research Scholarship, Universidade Federal de Itajuba, Brazil

LANGUAGES

PORTUGUESE: Mothertongue

ENGLISH: Fluent

COMPUTER SKILLS

Programming: C/C++, Python, Java, Matlab, OpenGL, SQL, JavaScript Others: Linux, Windows, Bash, GDB, Git, Land Linux, Windows, Bash, GDB, Gath, Cand Linux, Windows, Bash, Cand Linux, Windows, Cand Linux, Window