

# Matheus Venturyne Xavier FERREIRA

## PERSONAL DATA

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## EDUCATION

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In Progress	Doctor of Philosophy in COMPUTER SCIENCE, <b>Princeton University</b> PhD Advisor: Matthew Weinberg
JULY 2016	B.S. in COMPUTER ENGINEERING at <b>Universidade Federal de Itajuba</b> , Itabira, Brazil GPA: 92.8/100
JAN-DEC 2014	Non-degree international student, <b>University of California, San Diego</b> GPA: 3.92/4.00

## WORK EXPERIENCE

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Jun-Sept 2014	Broadcom Corporation at San Diego, California <i>Software Development Engineer Intern in Bluetooth/NFC Software Team</i>
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## RESEARCH PAPERS

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- [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

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- **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.

## COURSE WORK

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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

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### Princeton University

Spring 2018	Economics and Computation (COS 445)
Fall 2017	Computation Geometry (COS 451)

### Universidade Federal de Itajuba

2015	Computer Security
2013	Objected-Oriented Programming (ECO 30)

## SOFTWARE

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Jun 2014	UNIVERSITY OF CALIFORNIA, SAN DIEGO <a href="#">Vein – Rivers of Blood</a> Class Project Supervised by Geoff Voelker <ul style="list-style-type: none"><li>Developed a distributed, real-time, 3D, multiplayer survival race game of microorganisms in the human body using C++ and DirectX11.</li></ul>
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## HONORS AND AWARDS

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NOV. 2019	<a href="#">2020 Computer Research Association-WP Grad Cohort for URMD</a>
JUNE. 2019	<a href="#">AGT Mentoring Workshop</a> Grant, ACM
SEPT 2016 - JUNE 2021	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	<a href="#">George Varghese Espresso Prize</a> , University of California, San Diego
JAN-DEC 2014	<a href="#">Brazil Scientific Mobility Program</a> , fully-funded scholarship recipient University of California, San Diego
SEPT 2013	Fapemig Research Scholarship, LOTMine, UFMG, Brazil
SEPT 2013	1 <sup>st</sup> Line Follower Robot Competition, Unifei, Brazil
FEB 2012	Fapemig Research Scholarship, Unifei, Brazil

## DIVERSITY, INCLUSION & OUTREACH

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- Peer Mentor, [Graduate Scholars Program](#), Princeton University, 2019.
- 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

## LANGUAGES

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PORTUGUESE:	Mothertongue
ENGLISH:	Fluent

## COMPUTER SKILLS

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Programming:	C/C++, Python, Java, Matlab, OpenGL, SQL, JavaScript
Others:	LINUX, Windows, Bash, GDB, Git, <del>TEX</del>