

MERYEM ESSAIDI

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EDUCATION

Princeton University, Princeton

May 2017 - Present

PhD Candidate in Theoretical Computer Science

M.A. in Computer Science

Adviser: S. Matthew Weinberg

University of Pennsylvania, Philadelphia

August 2012 - December 2016

Master of Science in Engineering

Bachelor of Science in Engineering

Major: Computer Science - Minors: Mathematics, Economics

PUBLICATIONS & PROJECTS

Credible, Strategyproof, Optimal, and Bounded Expected-Round Single-Item Auctions for All Distributions, with Matheus V.X. Ferreira, S. Matthew Weinberg (ITCS 2022)

On Symmetries and Fairness in Multi-Dimensional Mechanism Design, with S. Matthew Weinberg (WINE 2021)

When to Limit Market Entry under Mandatory Purchase, with Kira Goldner, S. Matthew Weinberg (MD4SG 2019)

Predicting Startup Crowdfunding Success through Social Engagement Analysis, with Qizhen Zhang, Tengyuan Ye, Shivani Agarwal, Vincent Liu, Boon Thau Loo (CIKM 2017)

Minimizing Bias in Residency Matching: A Study in Non-Standard Random Walks, with Rebecca Baumher, Jeremy Bierema, Scott Buchanan (Senior Thesis 2016)

WORK EXPERIENCE

University of Pennsylvania, Philadelphia

May 2016 - May 2017

Research Assistant, advised by Boon Thau Loo

Google, SWE Intern in the Superroot Team

May 2015 - August 2015

Google, EP Intern in the Local Search Team

May 2014 - August 2014

TEACHING EXPERIENCE

Advanced Algorithm Design (COS 521)

Fall'19

Economics and Computation (COS 445)

Spring'19, Spring'20, Spring'21

Software Engineering (CIS 350)

Spring'16

Automata, Complexity, and Computability (CIS 262)

Spring'15, Fall'15, Fall'16

Intro to Computer Systems (CIS 240)

Fall'14

Math Foundation of CS (CIS 160)

Fall'13, Spring'14

TECHNICAL STRENGTHS & SERVICE

Program Committee

EAAMO, MD4SG

Reviewer

WINE, ITCS, ESA, MD4SG

Organizer

Research Inclusion Social Event (RISE) 2020-present

Programming Languages

Java, Python, C, OCaml, Unix

Languages

Arabic, French, English, Spanish