

# MERYEM ESSAIDI

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## EDUCATION

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### 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

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### Fairness in Online Advertisement via Symmetric Auctions

with S. Matthew Weinberg (In Submission)

### To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility

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

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### University of Pennsylvania, Philadelphia

*May 2016 - May 2017*

Research Assistant, advised by Boon Thau Loo

### Google, New York

*May 2015 - August 2015*

SWE Intern in the Superroot Team

### Google, Mountain View

*May 2014 - August 2014*

EP Intern in the Local Search Team

## TEACHING EXPERIENCE

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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

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**Program Committee**

MD4SG'20

**Reviewer**

WINE, ITCS, ESA, MD4SG

**Organizer**

Research Inclusion Social Event (RISE) 2020-2021

**Programming Languages**

Java, Python, C, OCaml, Unix

**Languages**

Arabic, French, English, Spanish