

# Pantea Karimi

PH.D. STUDENT AT MIT

✉ pkarimib@mit.edu | 📱 Pantea | 📺 live:panteakarimib

## Education

### Massachusetts Institute of Technology (MIT)

PH.D. IN EECS DEPARTMENT

Cambridge, USA

Feb. 2021 - Present

### Sharif University of Technology (SUT)

B.S. IN ELECTRICAL ENGINEERING

- Overall GPA: **19.68 /20** or **4/4**

Tehran, Iran

Sep. 2015 - Feb. 2020

## Experience

### Digikala

SOFTWARE ENGINEER

- Backend Developer
- Full-stack Embedded Application Developer

Tehran, Iran

Feb. 2020 - Feb. 2021

### DEDIS Lab, École polytechnique fédérale de Lausanne (EPFL)

SUMMER@EPFL INTERN

Lausanne, Switzerland

July 2019 - Sep. 2019

### Decentralab

UNDERGRADUATE RESEARCHER

Sharif University of Technology

July 2017 - July 2020

### Rastak Media Sepehr

SUMMER INTERN

Tehran, Iran

July. 2018 - Sep. 2018

## Publications

1. C. Basescu, K. Cong, **P. Karimi Babaahmadi**, and B. Ford. Fast and Resilient Distributed Data Stores with Automated Locality. Submitted in *17th USENIX Symposium on Networked Systems Design and Implementation (nsdi'20)*, CA, USA, September 2019
2. **P. Karimi Babaahmadi**, C. Basescu, and B. Ford. Location Verification using Claimed Latencies and Coordinates on the Blockchain, [Internship Report]

## Skills

**Programming** Python, MATLAB, C/C++, Solidity, GO,  $\LaTeX$ , PHP, Verilog, Assembly

**Software** HSPICE, Pspice, Altium Designer, Proteus, GNS3, NS3, AutoCAD, Solidworks, Xilinx ISE

**Microcontrollers** AVR, Intel, ARM, PIC

**Languages** Persian/Farsi (Native), English (Proficient)

**Other** Painting, Swimming, Zumba dancing

## Honors & Awards

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2020	<b>EECS Graduate Alumni Fellowship</b> , Ph.D. program of EECS Department	MIT, US
2020	<b>First-year Fellowship</b> , Ph.D. program of Electrical Engineering Department	Princeton Uni., US
2020	<b>Admission to the Ph.D. program</b> , Electrical and Computer Engineering Department	CMU, US
2020	<b>Admission to master's program</b> , Electrical and Computer Engineering Department	Toronto, Canada
2020	<b>Admission to master's program</b> , Computer Science Department	Waterloo, Canada
2020	<b>Admission to master's program</b> , Computer Science Department	ETH, Switzerland
2020	<b>EDIC fellowship</b> , Ph.D. program of School of Computer Science and Communication	EPFL, Switzerland
2019	<b>Certificate of research project completion</b> , Summer@EPFL program	EPFL, Switzerland
2019	<b>Credited</b> , Direct acceptance for the master degree as a top student	EE department, SUT
2019-2020	<b>Ranked 1st</b> , Undergraduate students of communications Engineering	EE department, SUT
2019-2020	<b>Ranked 2nd</b> , Undergraduate students of all branches of Electrical Engineering	EE department, SUT
2018	<b>Ranked 2nd</b> , Undergraduate students of communications Engineering	EE department, SUT
2018	<b>Ranked 4th</b> , Undergraduate students of all branches of Electrical Engineering	EE department, SUT
2017	<b>Ranked 6th</b> , Undergraduate students of all branches of Electrical Engineering	EE department, SUT
2015	<b>44th place</b> , National university entrance exam among all Mathematics and Physics' students	Iran
2015	<b>23rd place</b> , National university entrance exam among first region Mathematics students	Iran
2015-2020	<b>Member</b> , Iran's National Elites Foundation	Iran
2015-2019	<b>Award for Distinguished Academic Talent</b> , Iran's National Elites Foundation	Iran
2013, 2014	<b>Accepted</b> , First round of Computer and Mathematics Olympiad	Iran
2014	<b>Accepted</b> , The national Tournament of the Towns	Iran

## Teaching Assistance

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### Probability & Statistics

SUT

TEACHING ASSISTANT, QUIZ DESIGNER AND GRADER

Fall 2019

### Signals & Systems

SUT

HOMEWORK GRADER

Spring 2019

### Analog Circuits and Laboratory

SUT

LAB AND HOMEWORK HEAD TEACHER ASSISTANT

Spring 2019

### Special Subject in Electrical Engineering

SUT

TUTORIAL ASSISTANT AND PROJECT ASSISTANT

Fall 2018

### Principles of Electronics and Laboratory

SUT

LAB ASSISTANT

Fall 2018

### Communication Systems

SUT

QUIZ & HOMEWORK DESIGN AND GRADER

Fall 2018

### Probability & Statistics

SUT

HOMEWORK DESIGN

Spring 2018

## Fields of interest

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- Probabilistic & Statistical Analysis
- Machine Learning & Statistics
- Distributed & Decentralized Systems
- Theoretical Computer Science