

# ARMITA SAFA

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## EDUCATION

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**University of Tehran** 2015 - Present  
Bachelor of Science, Computer Engineering Current GPA: 16.96/20 (*3rd Rank in Class*)

- Significant courses: Discrete Mathematics(19.7/20), Computer Networks(19.1/20), Computer Architecture(17.95/20), Engineering Mathematics(18/20), Data Structures and Algorithms(17.7/20), Algorithmic Graph Theory(17.5/20), Microprocessors(20/20)

**Farzanegan High School** 2011 - 2015  
Diploma, Mathematics and Physics Discipline GPA: 19.93/20  
(*Affiliated with the National Organization for the Development of Exceptional Talents*)

## HONORS AND AWARDS

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Ranked in National Top 0.3% (amongst 182,000 candidates) in Iranian University Entrance Exam, Mathematics and Physics Discipline

Ranked in National Top 0.07% (amongst 112,000 candidates) in Iranian University Entrance Exam, Foreign Languages Discipline

Finalist in Sharif Cup (Sharif Universitys Robotics Championship)

## TEACHING EXPERIENCE

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### Teaching Assistant

- Discrete Mathematics, Dr. Mohammadi Spring 2018 - Present
- Computer Networks, Dr. Khonsari Fall 2018
- Introduction to Computing Systems and Programming, Dr. Moradi 2016 - 2017
- Microprocessors, Dr. Fatemi Fall 2018
- Electrical Circuits, Dr. Sadrossadat Fall 2017

### Lab Assistant

- Microprocessors, Dr. Fatemi Fall 2018
- Introduction to Computing Systems and Programming, Dr. Moradi 2016 - 2017

## NOTABLE PROJECTS

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**Top Words** 2018

*Computer Networks Course*

A distributed system to find top ten words from articles in Wikipedia with Map Reduce approach; coded with Java using Hadoop.

**ACM Vahed** 2017

Worked as a part of ACM Vahed team, a utility to help university of Tehran students choose courses for each semester, implemented using Ruby on Rails.

**Pintos Scheduler**  
*Operating Systems Course*

2017

A customized scheduler for Pintos that schedules processes based on IO usage resulting in increased efficiency.

**Project Management Software**  
*Advanced Programming Course*

2016

A management software, like Git. Client-side and backend service were written in C++. User Interface was developed with QT.

## EXTRA-CURRICULAR

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### Courses

Following extra-curricular courses were taken to acquire knowledge relevant to my education and research interests:

- Biology Meets Programming, University of California San Diego
- Game Theory, Stanford University and UBC

### Position of Responsibility

- Membership Chairperson

2016 - 2017

University of Tehran ACM Student Chapter

*(ACM is widely recognized as the premier membership organization for computing professionals, delivering resources that advance computing as a science and a profession.)*

## PROFESSIONAL EXPERIENCE

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**Digikala**  
*Software Engineer at Digikala*

June 2018 - Sep 2018

Member of Digipay team; aiming to provide secure e-payment services. Implemented Smart IPG Routing service, a service to improve quality and success rate of online payments. Implemented an automatic refund tool for Digikala.

## SKILLS

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<b>Programming Languages</b>	C/C++, Python, Java; Familiar with MATLAB, R
<b>Tecnologies &amp; Tools</b>	Spring Framework, Git, HTML, CSS, Databases
<b>Synthesis Tools</b>	Verilog, Modelsim, Multisim, HSpice, Quartus, ISE
<b>Operating Systems</b>	Mac OS, Linux
<b>Languages</b>	English ( <i>Fluent</i> ), German ( <i>Elementary</i> )