MOHAMMADMAHDI SAJEDI

PERSONAL INFORMATION

Birthyear: 1996

sajedi@usc.edu

mahdisajedi1996@gmail.com

EDUCATION

PhD in Electrical Engineering 2021-Present

University of Southern California

Master of Science in Electrical Engineering 2018-2020

University of Southern California

Bachelor of Science in Electrical Engineering 2013-2018

Sharif University of Technology, Tehran, Iran

Bachelor of Science in Mathematics 2015-2018

Sharif University of Technology, Tehran, Iran

GPA: 18.59/20 (190 credits)

HONORS & AWARDS

- Ranked **11$^{\text{th}}$** in University Entrance National Contest among 250,000 students June 2013
- Ranked **16$^{\text{th}}$** in Foreign Language National Contest among nearly 11,000 students June 2013
- Member of National Iranian Elites Foundation since 2013

RESEARCH INTERESTS

- Min-Max Optimization, Generative Adversarial Networks

ACADEMIC & WORK EXPERIENCE

Ericsson (Online Training) 2016 Summer

· ICT Professional Foundation Middle East University Program

COURSES IN USC

EE

Optimization for the information and data sciences	Prof. Soltanolkotabi	A
Mathematics of High-dimensional Data	Prof. Soltanolkotabi	A
Probability for Electrical and Computer Engineers	Prof. Kosko	A
Random Processes in Engineering	Prof. Scholtz	A
Statistics and Data Analysis for Engineers	Prof. Kosko	A
Linear System Theory	Prof. Savla	A

CS

Machine Learning	Prof. Adamchik	A-
Analysis of Algorithms	Prof. Shamsian	A
Introduction to Programming Systems Design	Prof. Raghavachary	A

ISE

Foundations of Stochastic Processes	Prof. Ross	A
Large Scale Optimization and Machine Learning	Prof. Razaviyayn	A
Combinatorial Optimization	Prof. Carlsson	A

Math

Introduction to Mathematical Statistics	Prof. Zhang	A-
Applied Probability	Prof. Mikulevicius	A-
Real Analysis 1	Prof. Alexander	in progress

COURSES IN UCLA

Math

Complex Analysis A	Prof. Terence Tao	Guest

COURSES IN SUT

EE

Digital Signal Processing	Prof. Amini	18.8/20
Signals and Systems	Prof. Babaie-Zadeh	20/20
Intro. to Wireless Communications	Prof. Golestani	16/20
Engineering Mathematics	Prof. Hashemi	19.9/20

Graduate Course

Wireless Communications Networks	Prof. Golestani	18/20

Math

Linear Algebra	Prof. Safdari	20/20
Mathematical Analysis 1	Prof. Safdari	19.3/20
Mathematical Analysis 2	Prof. Safdari	19.1/20
Topology	Prof. Fanaie	16.5/20
Algebra I	Prof. Gholamzadeh-Mahmoudi	20/20
Algebra III (Fields & Galois Theory)	Prof. Gholamzadeh-Mahmoudi	19.1/20
Statistics & Applications	Prof. Haji-Mirsadeghi	20/20
Discrete Mathematics	Prof. Mahmoodian	20/20
Numerical Analysis 1	Prof. Mostafid	20/20
Numerical Analysis 2	Prof. Mahdavi-Amiri	20/20

Graduate Courses

Graph theory	Prof. Akbari	18.1/20
Algebraic Graph theory	Prof. Akbari	16.5/20
Convex Optimization	Prof. Alishahi & Foroughmand	17/20

TEACHING EXPERIENCE IN USC

- Teaching Assistant, Mathematics of High-dimensional Data, By Prof. Soltanolkotabi, Fall 2019
- Teaching Assistant, Optimization for the information and data sciences, By Prof. Soltanolkotabi, Fall 2020

TEACHING EXPERIENCE IN SUT

- Tutorial Class, Graph theory, By Prof. Akbari, Fall 2017
- HW design, Engineering Mathematics, By Prof. Amini, Fall 2017
- Laboratory Assistant, Principles of Electrical Engineering, By Prof. Kavehvash, Fall 2017
- HW design, Principles of Electronics, By Prof. Kavehvash, Fall 2016
- HW design, Engineering Mathematics, By Prof. Amini, Fall 2016
- Tutorial Class & HW design, Engineering Mathematics, By Prof. Ahmadi, Fall 2016
- HW grader, Signals and Systems, By Prof. Babaie-Zadeh, Spring 2016
- Tutorial Class & HW design, Engineering Mathematics, By Prof. Hashemi, Fall 2015

PUBLICATIONS

- Understanding Overparameterization in Generative Adversarial Networks (ICLR 2021) Google Scholar