

Education

- 2022–2027 **PhD in Economics.**
New York University, NY, USA
- 2015–2019 **BS in Computer Engineering**, *Focused on statistics and theoretical computer science.*
Sharif University of Technology, Tehran, Iran
cumulative GPA: **19.08/20**
Among a class of top 0.05% in Iran's national university entrance exam

Research Interest

Economic Theory - Applied Microeconomics - Econometrics and Machine Learning.

Work Experience

- 2020-2022 **Predocctoral research fellow**, *UCLA and USC.*
Working on geneconomics under Daniel Benjamin, Alexander Young, and David Cesarini, there I leveraged my knowledge of statistics and computation to attack huge genetic datasets and investigate the relationship between behavioral traits and genetics
- 2019 **Auction Design consultant**, *Cafe bazaar.*
Cafe bazaar is an Iranian android marketplace with 50 million users. There, I worked on optimizing the advertisement auctions and empirical evaluation of them. Because of my technical background, I also took part in creating and deploying the machine-learning models the auctions depended on.

Publications

Mendelian imputation of parental genotypes for genome-wide estimation of direct and indirect genetic effects, *published in Nature genetics.*

Polygenic prediction within and between families from a 3-million-person GWAS of educational attainment, *published in Nature genetics.*

Parents' genes affect their child's educational achievement through the environment: evidence from three-generation polygenic index analysis, *Submitted to Nature Genetics.*

Novel estimators for family-based genome-wide association studies increase power and robustness, *Submitted to Nature Genetics.*

Building Stable Off-chain Payment Networks, *Preprint.*

Softwares

SNIPar, *Github*.

A python library for fast imputation of missing parental genotypes from observed genotypes in a nuclear family, and for performing family-based genome-wide association and polygenic score analyses.

Technical skills

Python/Java Expert

Scientific Programming Expert

Pytorch/Scikit Experienced

Pytorch/Scikit Experienced

C/C++/R/SQL Experienced

Awards and Honors

Among top 0.05% in Iran's national university entrance exam.

Member of Iran's National Elites Foundation.

INEF regards its young members as those who will lead Iran's future in science, culture and art

Languages

Persian(native)/ English(advanced)/ Mazandarani(intermediate)/ Arabic(basic)

References

<u>name</u>	<u>email address</u>
○ Prof. Daniel Benjamin Anderson School of Management, UCLA	○ daniel.benjamin@anderson.ucla.edu
○ Dr. Alexander Young Anderson School of Management, UCLA	○ alexander.young@anderson.ucla.edu
○ Prof. David Cesarini Department of Economics, NYU	○ dac12@nyu.edu