

# MALEK EBADI

Industrial Engineer Ph.D.

Currently searching for a job

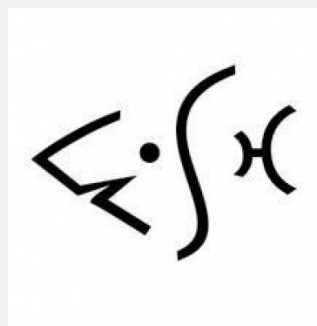
- Operations Research, Operations Management, Decision making under uncertainty
- My academic research primarily concerns healthcare decision making
- If you are interested in my background and skills, please feel free to contact me or visit my personal [website](#).

## EDUCATION

- 2021 • **Sabanci University**  
Ph.D. in Industrial Engineering 📍 Istanbul, Turkey  
  
Thesis: Dyadic wavelet and its application in edge detection
- 2014 • **Bilkent University**  
M.Sc. in Industrial Engineering 📍 Ankara, Turkey  
  
Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals
- 2010 • **University of Tabriz**  
B.Sc. in Civil Engineering 📍 Tabriz, Iran

## RESEARCH EXPERIENCE

- 2011 | 2014 • **Graduate Research Assistant**  
Beijing Institute of Genomics, Chinese Academy of Sciences 📍 Beijing, China
  - Performed computational biology research towards understanding regulation of alternative splicing in human and mouse transcriptome.
  - Found EGFR pathway related mutations, aimed to understand the impacts of cancer mutations on EGFR signaling pathway.
- 2015 | 2016 • **Bioinformatician**  
My Health Gene Technology Co., Ltd. 📍 Beijing, China
  - Investigated how cancer cells spread to other parts of the body at the single cell level.
- 2016 | 2018 • **Visiting Scientist**  
University of Alabama at Birmingham 📍 AL, USA
  - Investigated the role of mitochondria in development of cancer.
  - Investigated the evolution of genome architecture and its role in important evolutionary events.
  - Detected thrombotic thrombocytopenic purpura related mutations in multiple patients' blood genome.



## CONTACT INFO

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☎ +90 539-716-0726

For more information, please visit my personal website under

🌐 [ebadi-malek.me](http://ebadi-malek.me)

🔗 [github.com/mebdix](https://github.com/mebdix)

in [linkedin.com/in/malekebadi/](https://www.linkedin.com/in/malekebadi/)

## TECHNICAL SKILLS

Modeling and decision making in healthcare, Maintenance, crowdsourcing

Supply chain management, multiplayer decision making and contracting

Operations research and optimization methods, stochastic modeling, statistical analysis

Programming skills in MATLAB, R, and LaTeX

*This resume was made with the R package [pagedown](#).*

*Last updated on 2021-11-25.*

## PROGRAMMING SKILLS

Programming skills in MATLAB, R, and LaTeX  
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## PROFESSIONAL EXPERIENCE

- 2014 • **Data Scientist, intern**  
SupStat Inc. 📍 Beijing, China
- Taught R language to beginners.
  - Wrote Shiny app demos.
  - Converted statistical tutorials from SPSS to R language.
- 2015 | 2016 • **Bioinformatician**  
My Health Gene Technology Co., Ltd. 📍 Beijing, China
- Analyzed whole-exome sequencing data.
  - Studied tumor metastasis and wrote research reports.
  - Wrote analysis pipelines of ChIP-seq, single cell DNA-seq and single cell RNA-seq.
  - Also did case studies to identify the genetic defect causing rare disease.



## TEACHING EXPERIENCE

- 2014 • **Introduction to R Language for Beginners.**  
Instructor of R and Data Mining Training Courses at SupStat Inc. 📍 Beijing, China
- 2016 | 2017 • **Computational Biology and Bioinformatics.**  
Teaching assistant of GBS CB2-201 courses at UAB 📍 AL, USA



## SELECTED PUBLICATIONS AND POSTERS

- 2014 • **Genetic and epigenetic signals are found predictive to the distribution of intra-individual divergence of alternative splicing.**  
Poster for 2013 International Conference of Genomics 📍 Qingdao, China  
Yu L, Chen B, Zhang Z.
- 2016 • **ESCRT-0 complex modulates Rbf mutant cell survival by regulating Rhomboid endosomal trafficking and EGFR signaling.**  
J Cell Sci. 2016 May 15;129(10):2075-84.  
Sheng Z, Yu L, Zhang T, Pei X, Li X, Zhang Z and Du W.