

Ali Fozooni | Curriculum of Vitae

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Education

- **Sharif University of Technology** [↗](#) **Tehran, Iran**
○ *M.Sc. in Chemical Engineering, GPA: 16.19/20* **2013–2015**
Thesis: Development of an Automatic Production and Growth of Kidney Vascular Structure Based on Graph Grammar Methods
Related Courses: “Advanced Numerical Mathematics”, “Artificial Intelligence”, “Modern Control”, “Non-linear Control”, “Advanced Transport Phenomena”
- **University of Isfahan** [↗](#) **Isfahan, Iran**
○ *B.Sc. in Chemical Engineering* **2008–2012**
Thesis: Experimental study and modeling of Simultaneous Removal of CO₂ and SO₂ in a Spouted Bed Reactor
Related Courses: “Numerical Analysis”, “Engineering Mathematics”, “Fluid Mechanics”, “Heat Transfer”, “Mass Transfer”, “Thermodynamics”, “Process Control”, “Bioengineering Fundamentals”
- **National Organization for Development of Exceptional Talents** **Hamedan, Iran**
○ *High School, Mathematics,* **2004–2008**

Publications

Journal Papers:

- cal, **Ali Fozooni** “Experimental study of simultaneous removal of CO₂ and SO₂ in a spouted bed reactor” in The Canadian Journal of Chemical Engineering, 2017 [↗](#)
- Mohamad Ali Fakhari, Amir Rahimi, Mohammad Sadegh Hatamipour, **Ali Fozooni** “Non-isothermal modeling of simultaneous CO₂ and SO₂ removal in a semi-dry spouted bed reactor” in Process Safety and Environmental Protection, 2015 [↗](#)

Conference Papers:

- **Ali Fozooni**, Mehrdad Farhadian, Maedeh Pahlevaninezhad “Meat processing industries wastewater treatment through a novel biological package” in the 8th international conferences on Biotechnology and 4th national conferences on Biosafety, 2013, Tehran, Iran
- Mohamad Ali Fakhari, Amir Rahimi, Mohammad Sadegh Hatamipour, **Ali Fozooni** “Kinetic model on the reaction between CO₂ and CA(OH)₂ in the presence of SO₂” in 14th national conferences on Chemical Engineering, 2012, Tehran, Iran

English Skills

- TOEFL 103/120 : Reading 25/30, Listening 28/30, Speaking 25/30, Writing 25/30
- GRE 314/340 : Quantitative Reasoning 166/170, Verbal Reasoning; 148/170

Research interests

- Biomedical Engineering
- Computational and mathematical modeling
- System Biology

Honors & Awards

- Admitted to and certified from YCombinator (The best startup accelerator in the world based on California) online startup school for two consecutive years June 2017 and August 2018-Present. [↗](#)
- Elected as No.1 young entrepreneur of the year in Iran, 2016
- Ranked top 0.1% among participants in national wide university entrance exam for M.Sc. degree, 2012.
- Chess champion of the university, 2011.
- Ranked 0.2% among participants in national wide university entrance exam for BSc degree in Science and

Engineering, 2008.

Academic Experiences

- **Biomedical Engineering Laboratory | Prof. Bozorgmehry** **Sharif University of Technology**
Research Assistant 2014-2015
Activities: Biomedical Human Organ Research, Mathematical Modeling, System Biology
- **Control Engineering Laboratory | Prof. Pishvaie** **Sharif University of Technology**
Teaching Assistant 2014-2015
- **Environmental Engineering Laboratory | Prof. Hatamipour** **University of Isfahan**
Research Assistant 2010-2012
Activities: Experimental Study, Mathematical Modeling, Programming
- **Water and Wastewater treatment | Dr. Farhadian** **University of Isfahan**
Teaching Assistant 2011-2012
- **Thermodynamics | Prof. Talaie** **University of Isfahan**
Teaching Assistant 2010-2011

Skills

- **Interpersonal Skills:** Leadership, Strategy, Entrepreneurship, Project Management, Communication
- **Programming:** Python, SQL, MATLAB, OpenCV, TensorFlow

Community Engagement

- **Sharif University of Technology entrepreneurship community** **Tehran, Iran**
Consultant 2013-Present
- **National Organization of Chemical Engineering** **Tehran, Iran**
Member of the Board 2011-2012
board decides the distribution of facilities and events like seminars, conferences ... in the country. I and elected as a board member from all chemical engineer students in Iran.
- **Association of Chemical Engineering Department** **Isfahan, Iran**
Executive Manager 2010-2012
I was the manager of the scientific students group in the department.
- **Chem. Eng. Magazine** **Isfahan, Iran**
Managing Editor 2010-2012
I restarted to publishing a notable Chemical Engineering journal in the country.
- **National Organization for Development of Exceptional Talents** **Tehran, Iran**
Member 2004-Present

References

- **Ramin Bozorgmehry Boozarjomehry** [↗](#), Professor, Chemical Engineering Department
Sharif University of the Technology
rbozorgmehry@sharif.edu
- **Mahmoud Reza Pishvaie** [↗](#), Professor, Chemical Engineering Department
Sharif University of the Technology
pishvaie@sharif.edu
- **Mohsen Hatami** [↗](#), MBA, Stanford Graduate School of Business
Stanford University
mhatami@alumni.gsb.stanford.edu