

Aliakbar Mehdizadeh

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RESEARCH INTERESTS

Moral Philosophy
Business Ethics

Philosophy of Mind
Philosophy of Technology

EDUCATION

- 2017–2020 **M. Sc. in Philosophy of Science**, *Sharif University of Technology*, IRAN, GPA – 17.83/20.
- 2014–2016 **M. Sc. in Physics**, *Simon Fraser University*, CANADA, GPA – 3.83/4.3.
- 2009–2014 **B. Sc. in Physics**, *Sharif University of Technology*, IRAN, GPA – 17.2/20.
- 2002–2009 **High School**, *Allameh Helli (NODET: National Organization for Development of Exceptional Talents)*, Tehran, IRAN.

RESEARCH EXPERIENCE

- 2019–2020 **Human Resource Researcher**, *CAFEBAZAAR*, TEHRAN, IRAN.
"I was in charge of properly scaling Cafebazaar culture. I developed many corporate policies such as a Kantian code of conduct, privacy policy, nondiscrimination/anti-harassment policy, and corporate social responsibility roadmap."
- 2017–2020 **Graduate Research Assistant**, *AZADEGAN'S GROUP*, SHARIF UNIVERSITY OF TECHNOLOGY, TEHRAN, IRAN,
"My thesis was on business ethics and the notion of "Kantian Capitalism". I investigated whether Kantian moral philosophy and its implications can peacefully coexist with the economic and political system of Capitalism .".
- 2014–2016 **Graduate Research Assistant**, *SIVAK'S GROUP*, SIMON FRASER UNIVERSITY, BC, CANADA,
"To help elucidate the principles underlying nonequilibrium energetic efficiency in stochastic systems, I investigate driving protocols that minimize dissipation near equilibrium in a simple model rotary mechanochemical motor".

PUBLICATIONS and WRITINGS

- 2021 under-preparation: "Corporate Code of Conduct: A Deontological Model", Philosophy of Science Department, Sharif University of Technology
- 2021 Master Thesis: **Kantian Capitalism: a critical perspective**, Philosophy of Science Department, Sharif University of Technology
- 2019 J.Lucero, A Mehdizadeh, D Sivak, **Optimal Control of Rotary Motors**, Physical Review E.
- 2016 Master Thesis: **Optimal Control of a Mechanochemical System**, Physics Department, Simon Fraser University

2018 **Narcissim & Nationalism**, Podcast for Mohaaajer Think Tank, (in Farsi)

HONORS and AWARDS

- 2021 GRE General Test Scores: Quantitative Reasoning: 164, Verbal Reasoning: 154
- 2016 Ranked **2th** in Iranian graduate level nation-wide university entrance examination for *Philosophy of Science*.
- 2016-2018 **CD Nelson Memorial Entrance Ph.D. Fellowship**, SFU, University-Wide most competitive major entrance scholarship for best incoming graduate student, \$ 26'000 per annum, **Declined**.
- 2014-2016 **CD Nelson Memorial Entrance Scholarship**, SFU, University-Wide most competitive major entrance scholarship for best incoming master student, \$ 23'000 per annum
- 2014-2016 **Provost's Prize of Distinction**, Physics Department, SFU
- 2014 **Special Graduate Entrance Scholarship**, Physics Department, SFU
- 2014 Admission to the master program in Physics, **UNIVERSITY OF WATERLOO**, **Declined**.
- 2014 Physics World-Wide **GRE Exam** Score: 920 out of 990 (Top 10%)
- 2010-2014 **Exceptional Talent Scholarship**, Sharif University of Technology, For Outstanding Academic Distinction
- 2009 Ranked 630 (Top 1%) in Iranian universities nation-wide entrance exam

Relevant Coursework

Moral Philosophy	Philosophy of Mind
Business Ethics	Philosophy of Technology
Philosophy of Science	Analytic Philosophy

WORK EXPERIENCE

- 2020-2021 **People Analytics Research Lead**, **CAFEBAZAAR**, TEHRAN, IRAN.
"We used many statistical models and machine learning algorithms to transform employee data into predictive and prescriptive model of performance insight."

PRESENTATIONS and TALKS

- 2019 **Demarcation Problem**, **Philosophy Department**, Sharif University of Technology
- 2015 **Quantitative Measurement of Irreversibility in a Stochastic System**, Physics Department, Simon Fraser University
- 2015 **The Ambiguity of Time's Arrow**, Graduate Seminar, Physics Department, Simon Fraser University
- 2014 **Imitating Chemical Motors with Optimal Information Motors**, Physics Department, Graduate Seminar, Simon Fraser University

MENTORSHIP

- 2019 Teaching Assistant, **Philosophy of Mind** , Sharif University of Technology.
- 2019 Teaching Assistant, **Business Ethics**, Sharif University of Technology.
- 2018-2019 Sepehr Saeedpour, Negar Farahani, Ruhollah Solat, **People Analytics** Internship, Cafebazaar.

2015 Joseph Lucero, Optimal Control of a Stochastic Mechanochemical System, Physics Department, Simon Fraser University.

CONFERENCE ATTENDANCE

2016 Frontiers in Biophysics, University of British Columbia

2015 Frontiers in Biophysics, Simon Fraser University

SKILLS

Programming Languages: Python, C

Typesetting: Microsoft Word, L^AT_EX

Presentation: Keynote, Microsoft PowerPoint

Languages: Persian (native), English (proficient)

Machine Learning Libraries: TensorFlow, numpy, scipy, pandas, nltk, scikit-learn

Algorithms: Molecular Dynamics, Monte Carlo, Numerical Computations

REFERENCES

Graduate Supervisor [David Sivak](#), Associate Professor, Simon Fraser University, Email: dsivak@sfu.ca

Graduate Supervisor [Ebrahim Azadegan](#), Associate Professor, Sharif University of Technology, Email: azadegan@sharif.edu