Mohammad Soltaniehha

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Education

Northeastern University, Ph.D., Computational Condensed Matter Physics — May 2015
University of Wyoming, M.Sc., Computational Condensed Matter Physics — May 2012
Sharif University of Technology, M.Sc., Computational Statistical Physics — May 2010
University of Tabriz, B.Sc., Physics — May 2007

Experience

Boston University - Questrom School of Business, Boston, MA
Clinical Assistant Professor - Information Systems Department — Sep 2018 - Present

- Research Interest: Embodied AI and interactive avatars; socially impactful applications of AI & LLMs; and ML applications in economic and cancer research.
- Teaching Experience: big data, data analytics, business analytics toolbox, Python & R programming, cloud computing, and database management.

Infor - Dynamic Science Labs, Cambridge, MA
Data Scientist — May 2015 - Jul 2018

- Designed and built data-driven applications as the analytical lead, leveraging machine learning techniques: customer churn forecast, time-series anomaly detection, inventory level and pricing optimization, lead scoring.

Northeastern University, Boston, MA
Research Assistant — Aug 2012 - May 2015

- Studied low-dimensional strongly correlated quantum systems using computational techniques such as dimensionality reduction method, Density Matrix Renormalization Group (DMRG). Advisor: Adrian Feiguin

Wolfram Science Summer School, Wolfram Research, Waltham, MA
Student Researcher — Jul 2014

- Collaborated with Stephen Wolfram and his team to develop a weather forecast model in Mathematica.

University of Wyoming, Laramie, WY
Research and Teaching Assistant — Aug 2010 - May 2012

- Studied the interactions between strongly correlated electrons and lattice degrees of freedom in the transport and spectral properties of organic materials. Advisor: Adrian Feiguin

Professional Services

American Physical Society
Board Member — 2025 - 2027

DSECOP
Editor-in-Chief — 2022 - Present

- Curated content and managed 12 Ph.D. fellows admitted to APS-funded Data Science Education Community of Practice (DSECOP) project as the editor-in-chief.

Google Cloud - Faculty Expert Program
Faculty Expert — 2020 - Present

- Member of the inaugural Google Faculty Experts program. The program lets Google Cloud's faculty advocates help other educators explore the benefits of Google Cloud in the classroom and their research.

Boston University - Hariri Institute for Computing, Boston, MA
Faculty Affiliate — 2022 - Present

Boston University - Center for Antiracist Research, Boston, MA
Research Affiliate 2021 - 2023

American Physical Society - Data Science Unit (GDS), College Park, MD
Founding Chair / Founder 2018 - 2021
- Founded the data science unit within APS to serve the community's needs. The goal of this unit is to provide educational opportunities for scientists and a platform to discuss the related research.

Google Cloud - Research Innovators Program
Research Innovator 2021

Vistan Health, LLC., Boston, MA
Data Science Advisor 2020 - 2021
- Served on the advisory board and offered data science consultation to the company.

American Physical Society - Boston Local Links, Boston, MA
Community Organizer / Co-founder 2015 - 2020
- Helped APS launch these recurring professional community gatherings to facilitate bridging the gap between academia and industry.

American Physical Society - Committee on Membership, College Park, MD
Committee Member 2015 - 2018
- Planned and prioritized the services that APS provides to over 55,000 members worldwide. Represented industrial physicists and proposed new initiatives that resulted in the formation of Forum for Early Career Scientists (FECS) and Data Science Unit (GDS).

American Physical Society - Forum for Early Career Scientists, College Park, MD
Member-at-Large 2016 - 2018

Major University Services

- Faculty Coordinator, Questrom Learning Communites 2021 - Present
- Faculty Lead, Questrom Learning Communites 2021 - Present
- PDC Faculty Member, MSBA 2019 - Present
- Faculty Advisor, Digital Technology & Operations Learning Community 2019 - Present
- Graduate Analytics Committee, Questrom School of Business 2022 - 2023
- Questrom IT Steering Committee 2019 - 2021
- Faculty Search Committee, Information Systems Department 2022 - 2023
- Faculty Search Committee, Information Systems Department 2019 - 2020
- Curriculum Design Committee, MSBA 2018 - 2019

Publications

- J. McNally, Y. Yin, M. Soltanieh-ha, M. Bahrami, **AI & Society** (2025). Era of experiential and heuristic learning.
  - *https://doi.org/10.1007/s00146-025-02711-1*
- K. Shah, J. Butler, A. Knaub, W. Ratcliff, A. Zenginoğlu, M. Soltanieh-ha, **American Journal of Physics** 92, 655–662 (2024). Data science education in undergraduate physics: lessons learned from a community of practice.
  - *doi.org/10.1119/5.0203846*
- J. Noorbakhsh, S. Farahmand, A. Foroughi Pour, S. Namburi, D. Caruana, D. Rimm, M. Soltanieh-ha, K. Zarringhalam, J. Chuang, **Nature communications** 11, 6367 (2020). Deep learning-based cross-classifications reveal conserved spatial behaviors within tumor histological images.
  - *doi.org/10.1038/s41467-020-20030-5*
- M. Soltanieh-ha, Ph.D. Thesis, **Northeastern University**, ISBN: 9781321699784 (2015). Interplay between charge, spin, and phonons in low dimensional strongly interacting systems.
  - *doi.org/10.17760/D20194211*

- M. Soltanieh-ha, and A. E. Feiguin, **Physical Review B** 90, 165145 (2014). Spectral function of the U $\rightarrow \infty$ one-dimensional Hubbard model at finite temperature and the crossover to the spin-incoherent regime.
  - *doi.org/10.1103/PhysRevB.90.165145*
- A. Nocera, M. Soltanieh-ha, C.A. Perroni, V. Cataudella, and A. E. Feiguin, **Physical Review B** 90, 195134 (2014). Interplay of charge, spin and lattice degrees of freedom on the spectral properties of the one-dimensional Hubbard-Holstein model.
  - *doi.org/10.1103/PhysRevB.90.195134*
- M. Soltanieh-ha, and A. E. Feiguin, **Physical Review B** 86, 205120 (2012). Class of Variational Ansatze for the Spin-Incoherent Ground State of a Luttinger Liquid Coupled to a Spin Bath.
  - *doi.org/10.1103/PhysRevB.86.205120*

Patents

- Convolutional Neural Networks For Classification Of Cancer Histological Images, J. Chuang, J. Noorbakhsh, A. Foroughi Pour, K. Zarringhalam, S. Farahmand, M. Soltanieh-ha (2021)
  WO 2021/016131 A1 - PCT/US2020/042675 - US 2025/0378559 A1

Working Papers

- B. Gu, M. Soltanieh-ha, X. Wang *AI's Job Shakeup: Analyzing the Uneven Impact of AI Adoption on Labor Demand*
- M. Osmo, T. Tuunanen, Y. Yin, M. Soltanieh-ha, P. Parvinen *My Fate Is to Die Young, But to Live Forever in Song: Echeloned Design Science Research to a Digital-Me Expert System Design*
- L. Longo, M. Soltanieh-ha, *SHAPoly: A Novel Shapley-Polynomial Framework for Estimating Nonlinear Dynamics in Macroeconomic Data Using Deep Neural Networks*
- M. M. Badia, M. Soltanieh-ha, L. Xu, *Machine Learning Meets Macroeconomics: A Fresh Perspective through a Novel Forecasting Framework*

Media Appearances

- *NBC Boston* "You're just staring at yourself: Job seekers lament AI interview process" Nov 25, 2025
- *Insights@Questrom* "Built to Last in an AI Future" by M. Soltanieh-ha Apr 30, 2025
- *ODSC Speaker Blog Series* "Hybrid Text Classification: Labeling with LLMs and Dense Neural Networks" by M. Soltanieh-ha Feb 12, 2025
- *Bloomberg* "Go Ahead, Write Your Cover Letter With ChatGPT" by S. G. Carmichael Jul 8, 2024
- *Wall Street Journal* "Companies Want Fewer Grad Hires This Year" by J. Pisani and L. Ellis May 22, 2024
- *APS News* "The Physics Curriculum Needs More Data Science — and One Team is Making it Easier Than Ever to Integrate It" by L. Boatman Apr 13, 2023
- *APS Topical Group on Data Science Newsletter* "Message from the Chair" by M. Soltanieh-ha Winter 2020
- *APS News* "The Topical Group on Data Science" by A. Dove Nov 1, 2019
- *Wyoming Public Radio* "Laramie Celebrates Persian New Year" by S. Hossaini Mar 21, 2012

Scholarly Review Activities

- Scientific Reports - Nature
- Harvard Data Science Review (HDSR)
- Information Systems Management
- Hawaii International Conference on System Sciences (HICSS)
- Information & Management
- PLOS ONE
- Frontiers in Computer Science

Presentations and Conference Papers

- APS Annual Leadership Meeting, Washington D.C. Feb 2026
  (Plenary Session Speaker) *Science for a shared future: Voices from the field*
- Hawaii International Conference on System Sciences, Maui, HI Jan 2026
  (Conference Paper) *My Fate Is to Die Young, But to Live Forever in Song: Echeloned Design Science Research to a Digital-Me Expert System Design*
- INFORMS Annual Meeting, Atlanta, GA Oct 2025
  (Conference Paper) *AI's Job Shakeup: Analyzing the Uneven Impact of AI Adoption on Labor Demand*
- The 3rd OJK International Research Conference, Yogyakarta, Indonesia Oct 2025
  (Invited Speaker) *Responsible AI in Finance: How Transparency, Risk Management, and Ethics Reinforce Resilience*
- Open Data Science Conference (ODSC), Boston, MA May 2025
  (Workshop) *Cost-Effective Text Classification and Hybrid Labeling with Premium LLMs and Open-Source Models*
- Generative AI for Design Workshop, MIT Media Lab, Cambridge, MA May 2025
  (Speaker) *DashGPT: A Generative AI Tool for Automated Data Visualization*
- Global Physics Summit, Anaheim, CA Mar 2025
  (Invited Speaker) *Careers in Data Science*
- PICUP Spring Webinar Series, Virtual Feb 2025
  (Webinar) *Integrating Data Science & AI into Undergraduate Physics Curriculum*
- Questrom School of Business AI webinar series, Boston, MA Jan 2025
  (Webinar) *Generative AI Best Practices for Teaching*
- Hawaii International Conference on System Sciences, Big Island, HI Jan 2025
  (Workshop) *Google Cloud Big Data & LLM Essentials*
- American Association of Physics Teachers (AAPT) Summer Meeting 2024, Boston, MA Jul 2024
  (Speaker) *Bridging the Gap: Data Science Applications in Modern Physics Education*
- Open Data Science Conference (ODSC), Boston, MA Apr 2024
  (Workshop) *LLMs Meet Google Cloud: A New Frontier in Big Data Analytics*
- Hawaii International Conference on System Sciences, Honolulu, HI Jan 2024
  (Workshop) *Google Cloud Big Data Essentials*
- 7th Annual Quantitative and Macro Investment Conference 2023, WOLFE Research, NYC Oct 2023
  (Invited Speaker) *SHAPoly: A novel Shapley-polynomial framework for estimating nonlinear dynamics in macroeconomic data using deep neural networks*
- Annual Conference - International Association for Applied Econometrics (IAAE) Oslo, Norway Jun 2023
  (Conference Paper) *A verifiable estimation & parametric inference of nonlinear Phillips Curve using neural networks*
- DSECOP Workshop - APS, University of Maryland, College Park, MD Jun 2023
  (Invited Speaker) *Data Science Tools*
- MSBA Think Tank 2023, Boston University, Boston, MA May 2023
  (Moderator) *Discussion: problems and opportunities for MSBA programs*
- MSBA Think Tank 2023, Boston University, Boston, MA May 2023
  (Panelist) *MSBA/MSDS: friends or foes?*
- Economics with Nontraditional Data and Analytical Tools, King's College London, UK May 2023
  (Poster) *A verifiable estimation and parametric inference of the nonlinear Phillips Curve using neural networks*
- Open Data Science Conference (ODSC), Boston, MA May 2023
  (Tutorial) *Google Cloud Big Data Essentials*
- Hawaii International Conference on System Sciences, Maui, HI Jan 2023
  (Peer-reviewed paper) *Pick the Right Tactics When Online Sales Go Live: An Empirical Analysis of Livestreaming for Amazon*
- Young Economists of Tuscan Institutions, Lucca, Italy Dec 2022
  (Conference Paper) *A verifiable estimation and parametric inference of nonlinear equations using neural networks*

- International Symposium on Forecasting, Oxford, England — Jul 2022
  (Conference Paper) *A verifiable estimation and parametric inference of nonlinear equations using neural networks*
- DSECOP Workshop - APS, University of Maryland, College Park, MD — Jun 2022
  (Invited Speaker) *Roundtable: Data Science Tools*
- School of Data Science, University of Virginia, Charlottesville, VA — Jun 2022
  (Seminar speaker) *How can cloud computing help to improve equity in data science education?*
- World Data Summit 2022, Amsterdam, Netherlands — May 2022
  (Panelist) *Panel: How to Reduce Company Costs Using AI*
- World Data Summit 2022, Amsterdam, Netherlands — May 2022
  (Invited speaker) *Round Table: Streamlining AI Development Through Cloud Computing*
- DSECOP Webinar Series, Topical Group on Data Science, APS — Mar 2022
  (Invited speaker) *A Cloud-Based Data Science Workflow*
- Digital Business Data Blitz, Questrom School of Business, Boston, MA — Mar 2021
  (Speaker) *AI-Powered Digital Health Cancer Research*
- March Meeting 2021, American Physical Society, Online — Mar 2021
  (Conference invited talk) *An Introduction to Cloud-Based Data Science Tools*
- March Meeting 2021, American Physical Society, Online — Mar 2021
  (Session co-chair) *Kavli Foundation Special Symposium - ML and Quantum Computing*
- March Meeting 2021, American Physical Society, Online — Mar 2021
  (Session chair) *Deep Learning and Computer Vision*
- Information Systems and Management Dept., Warwick Business School — Mar 2021
  (Guest lecture) *Cloud Computing and Business Analytics*
- SPS Fall Colloquium Series, Society of Physics Students — Nov 2020
  (Invited speaker) *Data Science Career for Physics Graduates*
- Faculty Institute 2020, Google Cloud — Sep 2020
  (Panelist) *Reproducible and Scalable Research on GCP*
- Faculty Institute 2020, Google Cloud — Sep 2020
  (Conference invited talk) *Big Data Analytics in Practice*
- Ph.D. Career Skills Accelerator, Northeastern University — Sep 2020
  (Panelist) *Ph.D. Alumni Panel*
- Summer Data Science and AI Webinar Series, Dartmouth College — Aug 2020
  (Invited speaker) *A Cloud-Based Data Science Workflow*
- Summer Webinar Series, Topical Group on Data Science, APS — Jul 2020
  (Panelist) *Data Science Careers in Industry*
- Summer Webinar Series, American Physical Society — Jun 2020
  (Invited speaker) *Transitioning from Physics to Data Science - Gain the required skills in the COVID era*
- (Virtual) March Meeting 2020, American Physical Society, Denver, CO — Mar 2020
  (Conference invited talk) *Data Science Tools in the Classroom*
- March Meeting 2020, American Physical Society, Denver, CO — Mar 2020
  (Session co-chair) *Kavli Foundation Special Symposium* - Canceled due to COVID-19
- (Virtual) March Meeting 2020, American Physical Society, Denver, CO — Mar 2020
  (Session chair) *Data Science in the Physics Curriculum*
- Social Impact Blitz, Questrom School of Business, Boston, MA — Nov 2019
- Department of Biomedical Data Science, Dartmouth Geisel School of Medicine, Hanover, NH — Oct 2019
  (Invited speaker) *Deep Learning for Image Processing Applications in Cancer*
- Tech For Society Conference, Boston University, Boston, MA — Oct 2019
  (Moderator) *Big Data and AI*
- MinneAnalytics Conference, Boston University, Boston, MA — Aug 2019
  (Conference featured speaker) *Advancing cancer research with deep learning image analysis*
- IT & Analytics Teaching Conference, Wharton School, Philadelphia, PA — Jun 2019
  (Invited speaker) *Teaching big data analytics to MBAs*

- J. Noorbakhsh, S. Farahmand, M. Soltanieh-ha, S. Namburi, K. Zarringhalam, J. Chuang Apr 2019
  AACR Anual Meeting, DOI: *10.1158/1538-7445.SABCS18-1632*, Atlanta, GA
  Deep learning functional associations using histopathology images
- American Physical Society Boston Local Links, Boston, MA Mar 2018
  (Invited speaker) *Artificial neural networks in business applications*
- M. Soltanieh-ha, and A. E. Feiguin, APS March Meeting, San Antonio, TX Mar 2015
  *(Conference invited talk) Magnetic phase diagram of the spatially anisotropic spin-*1/2 *zigzag ladder*
- Conference on Computational Physics, Boston University, Boston, MA Aug 2014
  (Poster) Interplay of charge, spin and lattice degrees of freedom on the spectral properties of the one-dimensional Hubbard-Holstein model
- M. Soltanieh-ha, A. Nocera, and A. E. Feiguin, APS March Meeting, Denver, CO Mar 2014
  (Conference contributed talk) Understanding the interplay between charge, spin, and phonons in the spectral properties of the 1D Hubbard-Holstein model
- Physics Department Journal Club, Northeastern University, Boston, MA Jan 2014
  Spin-charge separation in one dimensional electronic systems
- M. Soltanieh-ha, and A. E. Feiguin, APS March Meeting Conference, Baltimore, MD Mar 2013
  (Conference contributed talk) Toward a unified description of spin incoherent behavior at zero and finite temperatures
- Physics Department Journal Club, Northeastern University, Boston, MA Feb 2013
  A brief introduction to interacting one dimensional electron systems

Course Development

- Intro to Python for Data Science Bootcamp (QM877) Spring 2022
- Deep Learning with Python Bootcamp (QM878) Spring 2022
- Introduction to Data Analytics: Introduces students to descriptive analytics and data munging, using Python and a suite of data science packages. Fall 2020
- ML & Computer Vision Bootcamp Summer 2020
- Capstone Project: Advising students on their capstone projects. 2019-2020
- Introduction to Data Analytics: Introduces students to descriptive analytics and data munging, using R and a suite of packages including tidyverse. Fall 2019
- Business Analytics Toolbox: Data analytics and machine learning at scale. This course offers hands-on experience with scalable cloud computing, databases, and machine learning APIs. Summer 2019
- Business Analytics in Practice: Introduces students to data analysis and machine learning with applications in business, using python and a suite of packages including numpy, pandas, and scikit-learn. Spring 2019
- Big Data Analytics for Business: Data analytics and machine learning at scale. This course covers various big data platforms, including Hadoop, Spark, and BigQuery. Spring 2019
- Python for Data Science Bootcamp: This Bootcamp covers the basics of programming, data cleaning, data manipulation, visualization, and exploratory data analysis in Python. Spring 2019
- R Bootcamp: This Bootcamp covers the basics of programming, data cleaning, data manipulation, visualization, and exploratory data analysis in R. Fall2018
- Business Intelligence and Reporting Bootcamp: an intensive course on BI dashboards using Google Data Studio. This course covers data processing using relational SQL engines to gain insight from the data and create meaningful dashboards. Fall 2018

Teaching

- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2025
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Fall 2025
- Big Data Analytics for Business (BA/IS843) - Boston University — Fall 2025
- MSBA Python & Statistics Bootcamp (2 sections) - Boston University — Summer 2025
- Deep Learning with Python Bootcamp (QM878) - Boston University — Spring 2025
- Intro to Python for Data Science Bootcamp (QM877) - Boston University — Spring 2025
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2024
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Fall 2024
- Big Data Analytics for Business (BA/IS843) - Boston University — Fall 2024
- Big Data Analytics for Business (IS843) - Boston University — Spring 2024
- Big Data Analytics for Business (BA843) - Boston University — Spring 2024
- Business Analytics in Practice (IS833) (2 sections) - Boston University — Spring 2024
- Deep Learning with Python Bootcamp (QM878) - Boston University — Spring 2024
- Intro to Python for Data Science Bootcamp (QM877) - Boston University — Spring 2024
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2023
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Fall 2023
- Big Data Analytics for Business (IS843) - Boston University — Spring 2023
- Big Data Analytics for Business (BA843) - Boston University — Spring 2023
- Business Analytics in Practice (IS833) (2 sections) - Boston University — Spring 2023
- Deep Learning with Python Bootcamp (QM878) - Boston University — Spring 2023
- Intro to Python for Data Science Bootcamp (QM877) - Boston University — Spring 2023
- Advanced Programming: Data Structures and Algorithms (MF810) - Boston University — Spring 2023
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2022
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Fall 2022
- ML & Computer Vision Bootcamp - Pano Masterclass, Taipei, Taiwan — Summer 2022
- Analytics Practicum (BA890) - Boston University — 2021-2022
- Capstone Project Coordinator, Ms. in Business Analytics (BA886/BA887) - Boston University — 2021-2022
- Advanced Programming: Data Structures and Algorithms (MF810) - Boston University — Spring 2022
- Big Data Analytics for Business (IS843) - Boston University — Spring 2022
- Business Analytics in Practice (IS833) - Boston University — Spring 2022
- Intro to Python for Data Science Bootcamp (QM877) - Boston University — Spring 2022
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2021
- R Programming Bootcamp (QM870) - Boston University — Fall 2021
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Summer 2021
- Python for Data Science Bootcamp (QM875) - Boston University — Summer II 2021
- Advanced Programming: Data Structures and Algorithms (MF810) - Boston University — Spring 2021
- Big Data Analytics for Business (IS843) - Boston University — Spring 2021
- Business Analytics in Practice (IS833) - Boston University — Spring 2021
- Python for Data Science Bootcamp (QM875) - Boston University — Spring 2021
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2020
- Business Analytics Toolbox (BA775) (2 sections) - Boston University — Fall 2020
- Python for Data Science Bootcamp (QM875) - Boston University — Summer II 2020
- ML & Computer Vision Bootcamp - Pano Masterclass, Taiwan (remote) — Summer 2020
- MSBA Capstone Project (BA888) (2 sections) - Boston University — 2019-2020

- Big Data Analytics for Business (IS843) - Boston University — Spring 2020
- Business Analytics in Practice (IS833) - Boston University — Spring 2020
- Python for Data Science Bootcamp (QM875) - Boston University — Spring 2020
- R Programming Bootcamp (QM870) - Boston University — Fall 2019
- Introduction to Data Analytics (BA780) (2 sections) - Boston University — Fall 2019
- Business Analytics Toolbox (BA770) (2 sections) - Boston University — Summer 2019
- Big Data Analytics for Business (IS843) - Boston University — Spring 2019
- Business Analytics in Practice (IS833) - Boston University — Spring 2019
- Python for Data Science Bootcamp - Boston University — Spring 2019
- R Programming Bootcamp - Boston University — Fall 2018
- Business Intelligence and Reporting Bootcamp - Boston University — Fall 2018
- Statistical Mechanics and Thermodynamics - University of Wyoming — Spring 2012
- Physics II (lab) - University of Wyoming — Spring 2011
- Physics I (lab) - University of Wyoming — Fall 2010

Grants

- Google Cloud research credit: $5,000 — Mar 2021
- Google Cloud Platform research credit: $5,000 — Oct 2020
- Google Cloud Platform research credit: $18,000 — Jul 2019
- Google Cloud Platform research credit: $5,000 — Nov 2018

Student Advising

Ph.D. Students

- Lingyi (Olivia) Xu - Information Systems Ph.D. Student — 2020 - 2022
- Luigi Longo - Visiting Ph.D. Student - IMT, Italy — 2021 - 2023

M.Sc. Students

- Aishwarya Jayant Rauthan - MSBA Student — Summer 2024
- Ritwick Roy - PEMBA Student — Summer 2021
- Jia Shen - PEMBA Student — Summer 2020
- Zhao (Frank) Huang - MSDT Student — 2019 - 2020
- Rudrendu Kumar Paul - MSDT Student — 2019 - 2020
- Lingyi (Olivia) Xu - MSMF Student — 2019 - 2020

Honors

- Research Assistant Scholarship — 2011 - 2015
- Outstanding Teaching Assistant Award, University of Wyoming — 2010 - 2011
- 1^{st} place in physics M.Sc. nationwide entrance exam for the private universities, Iran — 2007

Volunteer Experience

Community Boating Inc. - RoboSail.org, Boston, MA
Mentor — 2014 - 2016

- Designed, built, and programmed autonomous sailboats using Arduino technology for a robotic class. Taught students how to code and helped them optimize their algorithms for navigation, accuracy, and speed.

University of Wyoming - Persian Student Association, Laramie, WY
President — 2010 - 2012

- Served as president and vice-president; held public events, including the annual Persian New Year event; introduced Iran's culture, history, art, and food to UW's campus; and raised over $13,000. Presented the organization on several occasions, including appearances in the local newspaper and Wyoming Public Radio.