

Arwa Alanqary

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EDUCATION	Ph.D. Civil Engineering (Systems) , UC Berkeley Advisor: Alexandre M. Bayen M.Sc. in Computational Science and Engineering , MIT Advisor: Devavrat Shah B.S. in Mechanical Engineering , Alfaisal University	2021-present 2019-2021 2013-2017
ACADEMIC EXPERIENCE	Researcher , Center For Complex Systems (CCS) at KACST and MIT Riyadh, Saudi Arabia and Cambridge, MA Supervised by Devavrat Shah, Kamal Youcef-Toumi, and Anas Alfaris <ul style="list-style-type: none">Worked on interdisciplinary research projects that tackled problems in time series analysis and uncertainty quantification.Engaged with high-ranking stakeholders in the energy sector in Saudi Arabia for research utilization and commercialization. Undergraduate Research Assistant , Alfaisal University Riyadh, Saudi Arabia Supervised by Boumediene Hamzi <ul style="list-style-type: none">Worked on health informatics research focusing on the problem of seizure detection. Research Intern , King Abdullah University for Science and Technology (KAUST) Thuwal, Saudi Arabia Supervised by Udo Schwingenschlögl <ul style="list-style-type: none">Worked on computational physics and material science research focusing on building simulations of the optical properties of nano-materials.	2017–2019 2016–2017 2012
INDUSTRY EXPERIENCE	Co-Founder , Bona Fide Management Company, Riyadh, Saudi Arabia Management Consultant , PricewaterhouseCoopers (PwC), Riyadh, Saudi Arabia Intern , Northrop Grumman Externship Program, Baltimore, MD	2017-2020 2017 2016
AWARDS	Graduate Scholarship , King Abdulaziz City for Science and Technology (KACST) Undergraduate Scholarship , Ministry of Education Best Poster Award , Alfaisal University Annual Poster Competition Best Oral Presentation , King Abdullah University for Science and Technology (KAUST)	2019-2025 2013-2017 2016 2012
SKILLS	Languages Arabic (<i>native</i>), English (<i>bilingual proficiency</i>) Programming Languages Python, Java, Julia, Matlab, R, JavaScript Tools and softwares PyTorch, SolidWorks (CAD), QGIS	
PUBLICATIONS	[1] Arwa Alanqary, Abdullah Alomar, Devavrat Shah. Change Point Detection via Multivariate Singular Spectrum Analysis, <i>Annual Conference on Neural Information Processing Systems (NeurIPS)</i> , 2021 [2] Arwa Alanqary, Gloria Z. Lin, Joie Le, Tan Zhi-Xuan, Vikash K. Mansinghka, Joshua B. Tenenbaum. Modeling the Mistakes of Boundedly Rational Agents Within a Bayesian Theory of Mind, <i>Annual Conference of the Cognitive Science Society (CogSci)</i> , 2021 (Oral Presentation)	

CONFERENCE
PRESENTATIONS

- [3] Arwa Alanqary, Gloria Z. Lin, Joie Le, Tan Zhi-Xuan, Vikash K. Mansinghka, Joshua B. Tenenbaum. Modeling the Mistakes of Boundedly Rational Agents Within a Bayesian Theory of Mind, *ICRA: Social Intelligence in Humans and Robots Workshop*, 2021
- [4] Abdullah AlOmar, Arwa AlAnqary, Mansour AlSaleh, Devavrat Shah. An Adaptive Algorithm for Time-series Imputation Using Matrix Estimation Methods, *NBER-NSF Time Series Conference*, 2019
- [5] Boumediene Hamzi, Turkey N AlOtaiby, Saleh AlShebeili, Arwa AlAnqary. Preliminary Results on Maximum Mean Discrepancy Approach for Seizure Detection *International Conference on Health Informatics and Health Information Technology*, 2018