Reem Albaghli -2024

❶ **Name & Rank:** Reem Albaghli, Assistant Professor

❷ **Education**

Degree	Discipline	Institution	Year
Ph.D.	Computer Science	University of Colorado Boulder	2018
M.Sc.	Computer Engineering	Kuwait University	2007
B.S.	Computer Engineering	Kuwait University	2000

❸ **Academic Experience**

Institution	Designation	Year/Period	FT/PT
Kuwait University	Assistant Professor	2018-Present	FT
University Of Colorado Boulder	Teaching Assistant	2006 - 2015	FT
Kuwait University	Teaching Assistant	2004 -2006 & 2011 -2014	FT

❹ **Non-Academic Experience:**

Organization	Designation	Year/Period	FT/PT
United Nations (UNFCCC), Bonn Germany	It Support Services Consultant	2008	FT
Kuwait Inst. For Scientific Research (KISR)	Analyst Programmer	2000-2004	FT

❺ **Certifications / professional registrations:** None

❻ **Membership in Professional Organization:** None

❼ **Honors and Awards:** None

❽ **Service Activities:**

COLLEGE COMMITTEES
  a. Committee chair of: CPEs ACM student association and Cultural and social Computer Eng Dept.
  b. Committee member of COEP-Mitigation Strategy and vision for Covid19-crisis April-2020-June-2020.
  c. Member of E-Learning committee, College of Engineering, Kuwait University, June-2020-2023.
  d. Heading and training numerous social events and workshops for students and employees.

PROJECTS
  a. Establish Human Centered Computing and Eyetracking Lab for UX research in Kuwait University.
  b. General chair of the Future Makers Forum 2023 at Kuwait University.
  c. Managing research projects of master degree level thesis.
  d. Directing design and budget plan for 3-year research grant

❾ **Publications and Presentations (from past five years):**

1. R. Albaghli, A. Beidas, and N. Attar, "Eyes on higher education: Evaluating web usability in Kuwaiti private universities using eye-tracking and SUPR-Q metrics," *Journal of Engineering Research*, p. S2307187724002888, Dec. 2024, doi: 10.1016/j.jer.2024.12.001.

2. U. S. Raja and R. Al-Baghli, "Ethical concerns in contemporary virtual reality and frameworks for pursuing responsible use," *Front. Virtual Real.*, vol. 6, p. 1451273, Jan. 2025, doi: 10.3389/frvir.2025.1451273.

3. R. Albaghli, A. S. Gurnaney, and N. Attar, "Seeing Bias Through Eye

Movements: Investigating Empathy and Engagement With Authentic and Altered Refugee Imagery," *IEEE Trans. Human-Mach. Syst.*, pp. 1–10, 2025, doi: 10.1109/THMS.2025.3585452.

4. A. Mohammed, R. Albaghli, H. Alrushood, and F. Ghaddar, "An Empirical Eye-Tracking Study of Cross-Lingual Program Comprehension and Debugging", doi: 10.1016/j.jss.2026.112793.

5. R. Albaghli, W. Zhang, and N. Attar, "Understanding Implicit Ethnic Bias: An Eye-Tracking HCI Study on How Visual Cues Influence Perceptions of

   a. **Refugees, " Iran Journal of Computer Science | Springer Nature Link**

   b. R. Albaghli, A. Gurnaney and N. Attar, "Detecting Bias in Refugee Perception using Face Swapping: An Empirical Eye-Tracking Study," 2024 IEEE 4th International Conference on Human-Machine Systems (ICHMS), Toronto, ON, Canada, 2024, pp. 1-6, DOI:10.1109/ICHMS59971.2024.10555693

   c. Reem Al-Baghli, Akshay Sunil Gurnaney*, and Nada Attar, Detecting Bias in Refugee Perception using Face Swapping: An Empirical Eye-Tracking Study, 4th IEEE International Conference on Human-Machine Systems, Accepted, 2024

   d. Reem Albaghli, Chaz Chang, Sarah Almahmeed, and Nada Attar. 2022. Untraining Ethnocentric Biases about Gender Roles: A Preliminary Empirical Study Presenting Art as Stimulus. In Proceedings of Mensch und Computer 2022 (MuC '22). Association for Computing Machinery, New York, NY, USA, 376–381. https://doi.org/10.1145/3543758.3547543

   e. Reem Albaghli, Yaman Jandali, Sarah Almahmid, Nada Attar. Leveraging Initial Cognitive Load to Predict User Response to Complex Visual Tasks. (2022). In proceedings of the 8 th World Congress on Electrical Engineering and Computer Systems and Sciences (EECSS'22) Prague, Czech Republic. Paper No. MHCI 103. DOI: 10.11159/mhci22.103

   f. Albaghli, Reem. 2018, A Framework to Design and Evaluate Wearable Interactive Systems for Health, PhD Thesis, University of Colorado, Boulder. Corpus ID: 150142746.

   g. Reem Albaghli, Urooj Raja, and Kenneth M. Anderson, "An Innovative Approach to Better Cardiac Health Through Wearable Technology ," Proc. 2017 ACM Int. Jt. Conf. CHI'17 Adjun., 2017.

   h. Reem Albaghli and Kenneth M. Anderson. 2016. A vision for heart rate health through wearables. In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UbiComp '16). ACM, New York, NY, USA, 1101-1105.

   i. Halley Profita, Reem Albaghli, Leah Findlater, Paul Jaeger,and Shaun K. Kane. 2016. The AT Effect: How Disability Affects the Perceived Social Acceptability of Head-Mounted Display Use. In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16).
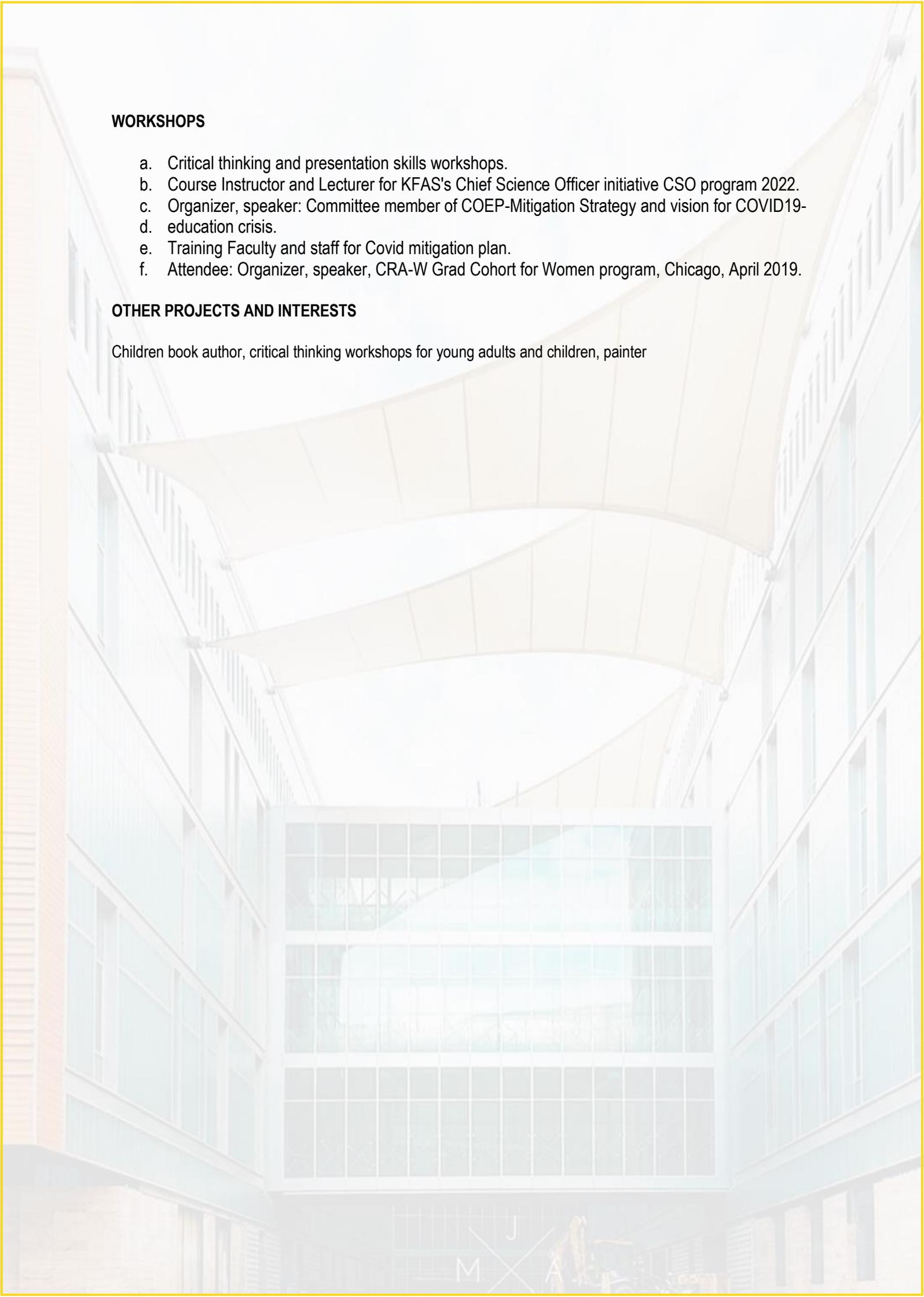
⑩ **Recent Professional Development Activities:**

COMPUTER LANGUAGES

C++, Pascal, Python, JavaScript, Prolog, HTML, Swift.

RESEARCH & TECH PROJECTS

   a. AR children game for local curriculums of the ministry of education, Kuwait.
   b. Speech pathology training system for children with hearing impairment.
   c. Smart storytelling system for children.
   d. Arabic reading game, with a focus on children with Dyslexia.

WORKSHOPS

a. Critical thinking and presentation skills workshops.
b. Course Instructor and Lecturer for KFAS's Chief Science Officer initiative CSO program 2022.
c. Organizer, speaker: Committee member of COEP-Mitigation Strategy and vision for COVID19-
d. education crisis.
e. Training Faculty and staff for Covid mitigation plan.
f. Attendee: Organizer, speaker, CRA-W Grad Cohort for Women program, Chicago, April 2019.

OTHER PROJECTS AND INTERESTS

Children book author, critical thinking workshops for young adults and children, painter