Elham Mohammadrezaei (CV)

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Education

- **Virginia Tech** Expected Graduation: Aug. 2024
  Ph.D. Student in Computer Science (GPA: 4.00) Advisor: Dr. Denis Gracanin
  Thesis: Reinforcement Learning for Context-aware and Adaptive Lighting Design using Extended Reality: Impacts on Human Emotions and Behaviors
- **Iowa State University** Graduation: May 4, 2020
  M.Sc. in Architecture (GPA: 3.9/4.00) Advisor: Prof. Thomas Leslie
- **Iran University of Science and Technology** Graduation: Sep 21, 2016
  B.Sc. in Architecture (GPA: 17.76/20) Advisors: Dr. Mohsen Feizi - Dr. Mehdi Khakzand

Work Experience

- **UI Design Intern** May, 2023 - Aug, 2023
  CCC Intelligent Solutions
  specialized in UI/UX design, conducting qualitative and quantitative analyses and advancing projects related to Augmented Reality (AR) and Virtual Reality (VR).
- **UI Design Intern** June, 2022 - Aug, 2022
  CCC Intelligent Solutions
  Specialized in UI design and actively contributed to immersive projects involving Augmented Reality (AR) and Virtual Reality (VR) technologies.
- **Instructor** Aug. 1, 2023 - Present
  Virginia Tech
  Teaching "Introduction to Software Design with Java" course.
- **Graduate Research and Teaching Assistant** Aug. 1, 2021 - Present
  Virginia Tech

Publications

Published:

1. **Mohammadrezaei E.**, Gracanin D., "Extended Reality for Smart Built Environments Design: Smart Lighting Design Testbed", 2022 Human-Computer Interaction International Conference.
2. **Mohammadrezaei E.**,Giovannelli A., Lane L. and Gracanin D., " A DIGITAL TWIN BASED APPROACH TO SMART LIGHTING DESIGN", 2022 Winter Simulation Conference.
3. **Mohammadrezaei E.**, Ghasemi S., Dongre P., Gracanin D., "Systematic Review of Extended Reality for Smart Built Environments Lighting Design Simulations", 2024 IEEE Access Journal.

Accepted:

1. **Mohammadrezaei E.**, Sarshartehrani F., Behravan M., Gracanin D., "Exploring the Effectiveness of Augmented and Virtual Reality for Visualizing Complex Lighting Simulation Data structures and Evaluating User Experience", 2024 Human-Computer Interaction International Conference.
2. **Sarshartehrani F.**, Mohammadrezaei E., Behravan M., Gracanin D., "Enhancing E-Learning Experience Through Embodied AI Tutors in Immersive Virtual Environments: A Multifaceted Approach for Personalized Educational Adaptation", 2024 Human-Computer Interaction International Conference.