Ronilo J. Ragodos

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EDUCATION

Bsc. in Computer Science and Applied Math (double major), August 2013 - May 2017
Texas A&M University, College Station, TX
MS in Mathematics, August 2017 - May 2019
University of Iowa, Iowa City, IA
PhD in Business Analytics, August 2020 - Current
University of Iowa, Iowa City, IA

INDUSTRY EXPERIENCE

Software Developer at Inzone.AI Fall 2017
Software Developer at Verif.AI Summer 2020

TEACHING EXPERIENCE

Undergraduate grader for Linear Algebra, Differential Equations, and Engineering Calculus 1 at Texas A&M, August 2015 - August 2016
TA for MATH 1440 Math for the Biological Sciences at Univ. of Iowa Fall 2017 - Spring 2019
TA for MATH 1460 Calculus for the Biological Sciences at Univ. of Iowa Fall 2019
TA for MSCI 2800 Business Analytics at Univ. of Iowa Spring 2019
TA for BAIS 3000 Operations Management at Univ. of Iowa Spring 2019 - Spring 2022
TA for BAIS 3500 Data Mining at Univ. of Iowa Fall 2022 - Current

WORKING PAPERS

- **Ragodos, R.**, Wang, T., Lu, F., Hu, Y., "On the Use of Post-Hoc Explainers for Business Problems" targeted at *Management Science, 2023*
- **Ragodos, R.**, Zhou, X., and Wang, T., "ConProGAIL: Interpretable Policy Learning via Conceptual Prototyping for Human Spatio-temporal Decision Understanding" targeted at *AAAI Conference on Artificial Intelligence, 2024*
- **Ragodos, R.**, Gurung, R., Chen, C., and Wang, T., "Interpretable Imitation Learning for Robotic Arm Manipulation" targeted at *Conference on Neural Information Processing Systems, 2024*

PUBLICATIONS

- **Ragodos, R.**, Lin, Q., Zhou, X., and Wang, T., "ProtoX: Explaining a Reinforcement Learning Agent via Prototyping" at NeurIPS - *Conference on Neural Information Processing Systems*, 2022
- **Ragodos, R.**, Wang T."Disjunctive Rule Lists" in IJOC - *INFORMS Journal of Computing*, 2022
- **Ragodos, R.**, Wang, T., Wehby G., Weinberg S.M., Dawson D.V., Marazita M.L., Moreno Uribe L.M., and Howe, B.J., "Dental anomaly detection using intraoral photos via deep learning" in *Nature Scientific Reports*, 2022

PRESENTATIONS

- Presented "ProtoX: Explaining a Reinforcement Learning Agent via Prototyping" at a *NeurIPS 2022* poster session.
- Gave an oral presentation on "ProtoX: Explaining a Reinforcement Learning Agent via Prototyping" at the 2022 INFORMS annual meeting.
- Presented poster based on dental anomaly research at the International Association for Dental Research 2019 general session in Vancouver.

- Gave a short oral presentation on dental anomaly research during the 2019 American Association for Dental Research conference held at the University of Iowa.

AWARDS

- University of Iowa Business Analytics Best Ph.D. Student Paper Award 2023 for "ProtoX: Explaining a Reinforcement Learning Agent via Prototyping"
- University of Iowa Post-Comp Fellowship 2023
- University of Iowa Graduate College Summer Fellowship 2023
- University of Iowa Business Analytics Summer Merit Fellowship 2022
- University of Iowa Business Analytics Summer Merit Fellowship 2021
- University of Iowa AMCS Summer Merit Fellowship 2019
- University of Iowa AMCS Summer Merit Fellowship 2018

TECHNOLOGY SKILLS

Programming/Markup Language Experience: C, C#, C++, Python, R, LaTeX, HTML (most comfortable with Python and C-based languages)
Software: Microsoft Office, Git, VirtualBox.
Operating Systems: Windows, Debian and Arch based GNU/Linux