Irina Hallinan

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Professional Experience

NASA Ames Research Center/Universities Space Research Assoc, Software Engineer 01/2015 - 10/2022
- Managed and mentored 5 undergraduate student technical internships
- Managed product, led design, user research, and implementation of 15 automation projects
- Led design, frontend implementation, and deployment of 5 websites, e.g.,
  - Quantum Computing Platform: https://riacs.usra.edu/quantum
  - Academic Mission Services Website: https://nams.usra.edu/
  - International Space Station Aerosol Particle DB: https://iss-particle-db.arc.nasa.gov/
  - Insight platform for the Extravehicular Activity Office (internal NASA website)

nousDecor (now DesignerInc), Software Developer 04/2014 - 10/2014
- Launched and developed a web platform for e-commerce interior design startup

Hewlett-Packard, IT Developer/Software Engineer I & II 06/2012 - 04/2014
- Built and supported frontend development of HP Private Cloud on-demand web services

Skills

Programming Languages: Python, JavaScript, PHP, C#
Tools: git, Amazon Web Services, Docker, Adobe Creative Cloud, Unity, Atlassian Suite, Trello, Microsoft Office Suite, Overleaf (LaTeX)

Publications

N. Tuya, W. Li, L.M. Calle, M.E. Meyer, M. Sorek-Hamer, **I. [Patrikeeva] Hallinan**, *Demonstration of the International Space Station Particle Database Website*, 51st International Conf. on Environmental Systems p.160 (July, 2022)
D. Berger, M. Jones, M. Pyle and **I. Patrikeeva**, *Tech to the Future: Problems with Balance, Troubles with Therapy*, IEEE Potentials, vol. 31, no.1, p.34 (January, 2012)
G.J.D. Petrie and **I. Patrikeeva**, *A Comparative Study of Magnetic Fields in the Solar Photosphere and Chromosphere at Equatorial and Polar Latitudes*, The Astrophysical Journal, p.699 (July, 2009)

Awards

University of California Berkeley, School of Engineering, Opportunity Grant (2022-2023)
USRA Individual Award for NASA Academic Missions Services software automations (2022)
USRA Individual Award for launching the ISS Aerosol Particle DB Website (2021)
NASA Group Achievement Award (2019)
NASA Extravehicular Activity Office Recognition of Excellence Award (2016)

Education

University of California Berkeley, MEng, EECS Expected 05/2023
- Focus: Visual Computing and Computer Graphics
- Capstone Project: Assistive Technology for Cursor Control, Advisor: Prof. Brian Barsky, Ph.D.

Rice University, BS, Computer Science 05/2012
- Focus: Software Engineering