

Irina Patrikeeva Hallinan, Product Manager

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Professional Experience

Universities Space Research Assoc/NASA Ames Research Center, 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