

Irina Patrikeeva Hallinan

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GitHub: <https://github.com/irina694>

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Portfolio: <https://irina694.github.io/portfolio/>

Professional Experience

Universities Space Research Assoc/NASA Ames Research Center, Software Engineer 01/2015 - 10/2022

Mentored 5 undergraduate student technical internships

Led design and implementation of 15 automation projects (sole engineer)

Led design, frontend implementation, and deployment of 5 websites, e.g.,

Quantum Computing Platform (2-person engineering team)

Academic Mission Services Website (2-person engineering team)

International Space Station Aerosol Particle DB (sole engineer)

Insight platform for the Extravehicular Activity Office (4-person engineering team)

nousDecor, Software Developer

04/2014 - 10/2014

Launched web platform for e-commerce interior design startup (3-person engineering team)

Hewlett-Packard, IT Developer/Software Engineer I & II

06/2012 - 04/2014

Built and supported frontend development of HP Private Cloud (8-person engineering team)

Skills

Programming Languages: Python, JavaScript, PHP

Tools: git, AWS, Adobe Creative Cloud, Wireframing

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

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