

Irina Patrikeeva Hallinan

Email: irina_hallinan@berkeley.edu

Phone: (832) 561-8047

LinkedIn: <https://www.linkedin.com/in/irina-hallinan/>

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

Education

Master of Engineering, Electrical Engineering and Computer Sciences, visual computing & computer graphics focus
University of California, Berkeley Forthcoming 05/2023

Bachelor of Science, Computer Science, software engineering focus
Rice University

05/2012

Relevant Coursework

Completed as an undergraduate: Computer Graphics, Software Engineering Methodology, Applied Algorithms and Data Structures, Computer Systems, Advanced Computer Game Creation, Python

Skills

Python, JavaScript, PHP, git, AWS, Full-Stack Web Applications, Mockups, UX/UI, Adobe Creative Cloud

Experience

Software Engineer, USRA (Mountain View, CA) 01/2015 - 08/2022

Worked closely with program managers & scientists to build software tools; mentored 5 student internships.

- Lead the design and implementation of multiple automation projects, such as PI proposal submission and monthly progress reports (sole engineer).
- Lead the design, frontend implementation, and deployment of multiple USRA and NASA websites, e.g.
 - [Quantum](#) platform, released in 3 months (2 person engineering team).
 - [Academic Mission Services](#), released in 5 months (sole engineer).
 - [International Space Station Aerosol Particle DB](#) (sole engineer).
 - Insight platform for the Extravehicular Activity Office (4 person engineering team).

Software Developer, nousDecor (San Mateo, CA)

04/2014 - 10/2014

Launched a web platform in 4 months for an interior design e-commerce startup (3 person engineering team).

IT Developer / Software Engineer I & II, HP (Palo Alto, CA)

06/2012 - 04/2014

Collaborated closely with engineers and program managers to build & support user interface of an enterprise IT tool, used to order services from HP Private Cloud (8 person engineering team).

Publications

[1] [Demonstration of the International Space Station Particle Database Website](#), N. Tuya, W. Li, L. M. Calle, M. E. Meyer, M. Sorek-Hamer, **I. Hallinan**, 51st International Conference on Environmental Systems, 2022

[2] [Tech to the Future: Problems with Balance, Troubles with Therapy](#), D. Berger, M. Jones, M. Pyle and **I. Patrikeeva**, IEEE Potentials, vol. 31, no. 1, pp. 34-41, 2012

[3] [A Comparative Study Of Magnetic Fields In The Solar Photosphere And Chromosphere At Equatorial And Polar Latitudes](#), G. J. D. Petrie and **I. Patrikeeva**, The Astrophysical Journal, 699:871, 2009

Awards

Personal: USRA SPOT Award (2021, 2022)

Team: NASA Group Achievement Award (2019) and NASA Extravehicular Activity Office Recognition of Excellence Award (2016)