

Irina Hallinan

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TECHNICAL SKILLS: Python, JavaScript, PHP, C++, HTML, CSS, Git, Docker, AWS

PROFESSIONAL EXPERIENCE

NASA Ames Research Center (USRA)

Mountain View, CA

Software Engineer

01/2015 - 10/2022

- Orchestrated all technical details and design of a new reporting platform for a contract totaling \$190M used by 10 cross-functional teams with 200+ monthly users from interns to directors, saving managers 50+ hours per month.
- Led the design and development of a public scientific website increasing the visibility of air quality on the International Space Station, resulted in publications and a pilot program in high school chemistry classes.
- Designed and developed UIs and APIs to search and analyze engineering data such as mission safety and spacewalks, growing the number of active users from 0 to 100+ teams across 3 centers in the first 9 months.
- Revamped 3 educational web platforms for quantum scientists and students, with features such as secure video lessons and search engine, saving scientists 20+ hours per month.

nousDecor (now DesignerInc)

San Mateo, CA

Software Developer

04/2014 - 10/2014

- Led frontend implementation of a B2C interior design e-commerce startup, growing the number of users from 0 to 300+ in the first few weeks after launch.
- Responsible for improved responsiveness of the website for all web-enabled devices, adhering to the Agile software methodology to go from beta to public launch under 4 months.

Hewlett-Packard

Palo Alto, CA

IT Developer / Software Engineer I & II

06/2012 - 04/2014

- Improved the frontend of IT private cloud portal, reducing overhead cost of ordering cloud servers and services for internal cross-functional organizations.
- Responsible for frontend development and resolution of customer engineering issues.

EDUCATION

University of California, Berkeley

Berkeley, CA

Master of Engineering, Electrical Engineering and Computer Sciences

05/2023

- Focus on visual computing and computer graphics
- Lead capstone project team to assist deaf people in communicating during virtual meetings, advised by Prof. Brian Barsky, Ph.D.
- Certificates in Communications Mentorship and Affinity Group Leadership in Human-Computer Interaction through the Fung Institute for Engineering Leadership

Rice University

Houston, TX

Bachelor of Science, Computer Science

05/2012

- Concentration in software engineering