Thema Green

Human Factors Researcher · Human-Machine Teaming · Human-Systems Integration

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SUMMARY

Human factors researcher designing for the moment a person must check, question or take over from automation. Human-machine teaming research for ONR, AFRL and Google; AIAA SciTech 2027 paper; led a 20+ person team.

CORE SKILLS

Methods: human-in-the-loop and simulator studies, experimental design, usability testing, heuristic evaluation, task analysis, WCAG 2.2

Tools: R, Unity, Blender, VR, eye tracking, Siemens NX CAD, Figma, Miro, Notion, Google Workspace

EXPERIENCE

Project Manager (elected) Sep 2026 – Present

NASA L'SPACE NPWEE, Team 11 · Remote

- Carried a NASA-style mission proposal to final submission (Nov 2026), leading an 8-member, multi-institution team.
- Secured 3 subject matter experts and a faculty advisor in 9 days from a 14-contact pipeline I built.
- Selected as Primary Reviewer by NPWEE leadership for the team's work; lead a proposal's panel review.

AI/ML Research Scientist & Fellow May 2026 – Sep 2026

Institute for Human-Centered AI, Howard University (RITA UARC) · Washington, DC

- Advanced human-machine teaming research on 3 sponsored programs (ONR, AFRL, Google) at a DoD UARC.
- Pinpointed where speech AI fails users by benchmarking ASR on African American Vernacular English.
- Mentored Howard computer science students on AI research projects and AI ethics.

Chief Solutions Architect Dec 2025 – Aug 2026

Cioré, sustainable and ethical technology · Washington, DC

- Earned 2 promotions in 9 months, from UX design hire to Project Manager to Chief Solutions Architect.
- Aligned 20+ people in 3 subteams (engineering, design, finance) on scope and deadlines via team meetings.
- Kept a solar-powered smartphone on strategy through regular C-suite meetings and CEO correspondence.

Fellow, Human Performance Lab — *University of Massachusetts Amherst*

- Compared cyclist comfort across sharrow, bike box and no treatment in a VR bike simulator with eye tracking.

Undergraduate Human Factors Researcher — *George Mason University* Through May 2025

- Studied trust in social robots, vigilance and multimodal learning, including telepresence robot studies.

SELECTED PROJECTS

- **Library redesign:** raised task success 35% in prototype tests by rebuilding navigation around student search.
- **Titanic incident analysis:** modeled a 40% cut in error pathways with layered, Swiss cheese–based countermeasures.
- **Bigbelly waste routes:** estimated 25% time saved on key routes; industry partner adopted my task-analysis changes.

PUBLICATIONS

- Human-machine teaming paper, selected for presentation at the AIAA SciTech Forum, January 2027.
- *Human Machine Teaming Competence Assessment* (v1.0): measures 5 teaming competencies. Zenodo, 2026.

EDUCATION

M.S., Systems Engineering (Engineering Management) — *Embry-Riddle Aeronautical University* In progress

B.S., Psychology, Human Factors & Applied Cognition — *George Mason University* · HFES-accredited · Design Thinking minor May 2025

LEADERSHIP, HONORS & CERTIFICATIONS

- RAeS: made human-AI teaming the HF – Flight Ops subgroup's leading candidate priority in 3 meetings
- Psi Chi chapter officer (3 years) · AIAA student branch Treasurer · Bob Dahl Memorial Scholarship (2026)
- Certifications: NASA L'SPACE Siemens NX CAD · Google UX Design · Duke Human Factors in AI · CITI