

## POST-DOCTORAL RESEARCH POSITION In Healthcare Human Factors

Vanderbilt University  
Nashville, TN

**The Center for Research and Innovation in Systems Safety (CRISS) has an immediate opening for a post-doctoral researcher in healthcare human factors.**

**About us:** CRISS is a multi-disciplinary center within the Vanderbilt University Medical Center (VUMC), specializing in healthcare human factors, patient safety, health information technology, medical devices, process redesign, and other types of applied research. CRISS faculty have broad practical and research experience in numerous clinical settings and access to inpatient and outpatient healthcare facilities within Vanderbilt, middle Tennessee, and worldwide. CRISS resources include administrative and research assistants, grants management, statistical support, interaction design, software development, an in-house usability laboratory and 11,000 ft<sup>2</sup> high-fidelity simulation center, audiovisual recording and analysis, etc. VUMC provides an excellent “real world laboratory” for healthcare research and numerous in-house information technology development projects. Additionally, Vanderbilt University has a strong and active post-doctoral research community. The fellow would be eligible for training, funding, and other opportunities outside CRISS.

### Requirements:

- PhD in a field associated with Human Factors/Ergonomics – e.g., industrial/systems engineering, psychology, human-computer interaction, *completed prior to start date*. (Candidates with a terminal professional degree in other fields [e.g., MD, PharmD] will be considered if they have substantial healthcare human factors experience.)
- Experience and training in both qualitative and quantitative field research methods.
- Ability to work in a multi-disciplinary research team and deliver timely outcomes.
- Preference will be given to candidates who have software design/development experience and who are familiar with clinician- or patient-facing health information technology.

### Responsibilities:

- Conduct independent and collaborative health care human factors research under the mentorship of Matthew B. Weinger, MD and Richard Holden, PhD.
- Apply multiple field and laboratory methods, including survey design and analysis, structured and unstructured ethnographic observations, interviewing, intervention research, user interface design, and usability testing.
- Analyze quantitative and qualitative data and present findings internally and externally.
- Author/co-author review and research manuscripts and work on grant applications.
- Develop and carry out independent research projects.

**Position details:** Funded 12-month appointment with opportunity for extension.

**Notes:** Vanderbilt University is an Equal Opportunity Employer. A criminal background check will be required.

**If interested, submit the following application materials to: Andrew Kline, [andrew.h.kline@vanderbilt.edu](mailto:andrew.h.kline@vanderbilt.edu):** Curriculum Vitae; Research Statement (2 pages max., describing prior research experience, research interests and skills, and career goals); and contact information for 3 - 5 references, including your doctoral advisor.

**Address questions to: Dr. Holden at [richard.holden@vanderbilt.edu](mailto:richard.holden@vanderbilt.edu).**