

USC Center for Artificial Intelligence in Society



USC CAIS Postdoctoral Researcher Positions Spring 2018 cais.usc.edu

The University of Southern California (USC) Center for Artificial Intelligence in Society (CAIS) is a joint venture between the USC Suzanne Dworak-Peck School of Social Work and the USC Viterbi School of Engineering. Our mission is to conduct research in artificial intelligence to help solve the most difficult social problems facing our world. When we consider what problems to tackle, we focus our efforts on low-resource communities both here in the United States and globally. We draw inspiration from the Grand Challenges of Social Work, the Grand Challenges of Engineering, and the United Nations Sustainable Development Goals.

USC CAIS has new openings for postdoctoral researcher positions in Los Angeles, CA starting Spring/Summer 2018. Research will focus on two areas:

1. **AI for Conservation:** The application area includes protecting endangered wildlife, planning conservation areas, social responses to global climate change, conservation of water and AI in agriculture. This position is part of the USC CAIS partnership with Microsoft's AI for Earth program. The postdoc position will involve working with datasets from non-governmental organizations (NGOs) or other sources, and engaging the AI for conservation community. AI expertise in machine learning, computational game theory, and/or planning and scheduling will be valuable.
2. **AI for Education and Training:** The application area here involves using AI to support cognitive task analysis (CTA) for training. The postdoc position here will involve working on an essential component of the next generation of training systems, i.e., the need to rapidly and completely capture the skills of top experts and transfer them to efficient, accessible, just-in-time training systems. This work will be conducted in collaboration with researchers at the USC Rossier School of Education. AI expertise in machine learning, speech recognition, and/or natural language understanding will all be valuable.

A key aspect of our research is the interdisciplinary partnerships beyond computer science. To that end, postdoctoral researchers will regularly interact with researchers at USC CAIS, NGOs focused on conservation or education, and researchers at Microsoft's "AI for Earth" program. More information about projects at USC CAIS is available at cais.usc.edu/projects.

Interested applicants should send: 1) a short (max 500-word) cover letter indicating what position interests them and why they would find it interesting to work as a postdoctoral researcher at USC CAIS, 2) their most recent CV, and 3) have three letters of recommendation forwarded to: Hailey Winetrobe, USC CAIS Center Operations Coordinator, at hwinetro@usc.edu. All application materials should be sent to Hailey at hwinetro@usc.edu.