Postdoctoral Research Scholar of Human Factors Research
UC Berkeley

Open date for accepting applications: August 1, 2018
Open until: Position is open until filled.

Description

California Partners for Advanced Transportation Technology (PATH), a research and development program of the University of California, Berkeley, is seeking a Postdoctoral Research Scholar to lead research projects of Human Factors Studies for Automated Driving Systems and Intelligent Transportation Systems.

Appointment length:
This is twelve months, 100% time appointment. Anticipated start date: September 2018 to January 2019.

Responsibilities:
The successful candidate's main duties and responsibilities will consist of
(1) Preparing project documentation (e.g., literature review), contributing to experiment design;
(2) Preparing experiment set-up (e.g., simulation, apparatus for data recording);
(3) Conducting experiments and collecting data (both in lab and on the road testing);
(4) Conducting comprehensive data analysis (including qualitative and quantitative data);
(5) Preparing project report;
(6) Writing proposal to apply for project funding.

Basic Qualifications (at the time of application):
Ph.D in Human Computer Interaction, or Psychology. Experience of designing and conducting research, and statistical analysis. Must have record of publications. Proposal writing skills.

Additional Qualifications (by start date):
(1) Previous graduate study and/or postdoctoral training in Human Factors or similar field.
(2) Experience in a range of user research methods (e.g., surveys, interviews, lab studies, and other methods).
(3) End-to-end experience with all aspects of research (recruiting, moderation, analysis, reporting).
(4) Research experience in driver related studies or comparable experience in a similar field. A strong portfolio demonstrating past work experience and deliverables.
(5) Mastery of data analytic techniques (Statistical analysis using SPSS, MATLAB, R, Python, Machine Learning).

Preferred Qualifications:
(1) Ability to learn and operate new apparatus (e.g., driving simulator system).

(2) Ability to work effectively as part of an interdisciplinary team.
(3) Ability to efficiently and actively cooperate with other team members within the organization.
(4) Outstanding English writing and communication skills.

<u>Salary</u>: To be commensurate with qualifications, approximately in the range of $54,000 - $64,800 yearly

<u>Application procedure:</u>
Please send your resume to Peggy Wang (Email: peggywang@berkeley.edu) and Ching-Yao Chan (Email: cychan@berkeley.edu)

All letters will be treated as confidential per University of California Policy and California State law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality: (http://apo.berkeley.edu/evalltr.html) prior to submitting their letters.

We are interested in candidates who will contribute to diversity and equal opportunity in higher education through their research.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.

JOB LOCATION

Richmond and Berkeley, CA

REQUIREMENTS

DOCUMENTS
Cover Letter;
Curriculum Vitae – Your most recently updated CV;
Statement of Research Philosophy.

REFERENCES
Contact information for two references is required.
Letters of reference will only be solicited for finalists.

CONTACTS
Please direct questions to:
Peggy Wang (Email: peggywang@berkeley.edu)
Ching-Yao Chan (Email: cychan@berkeley.edu)