Yale Fellowship in Translational Technologies in Development

The Yale Autism Center of Excellence and Yale Early Social Cognition Lab is seeking highly qualified college graduates for the Yale Fellowship in Translational Technologies in Development. The recipient of the fellowship will participate in the data science and cutting-edge computational technologies that advance the science of human social-cognitive development and support the detection, evaluation, and treatment of autism and other developmental disorders. The fellow will receive training in rapid prototyping and robust development of translational technologies, which may include eye-tracking technologies, image processing, physiological sensing technologies, machine learning projects and experimental paradigms. Training will prepare the fellow for the pursuit of graduate school in computer science, human-computer interaction, or cognitive or computational neuroscience, as well as for diverse careers in software engineering.

Work at the Yale Child Study Center involves a multidisciplinary approach to autism and developmental disabilities research that spans projects in behavioral neuroscience, neuroimaging, molecular and population genetics, and treatment. The fellow will be directly mentored by Drs. Wang and Chawarska, and involved in a highly active and productive community of clinical research scientists.

With research mentorship, the selected applicant will be expected to guide a research project from the point of experiment design through analysis and publication of results. The fellow will work directly with Dr. Wang, a developmental scientist with a Ph.D. in Computational Science and a background in neural network and machine learning, human-computer interaction and prototyping of translational computer vision technologies.

Our work often involves novel devices, and the fellow may have opportunities to develop mechanical and engineering experience. The fellow will also assist in a variety of scientific activities in the Lab, including assisting in the preparation of manuscripts and conference presentations, and providing general assistance relevant to the functioning of the Lab. The fellowship's curriculum also includes participation in weekly research meetings, research tutorials and courses, and other didactic experiences at the Yale Child Study Center, and School of Medicine.

Award Details

Sponsor Institution: Yale Child Study Center, Yale University

Program Director: Katarzyna Chawarska, Quan Wang

Additional Faculty: Katarzyna Chawarska, Suzanne Macari, Kelly Powell, Scuddy Fontenelle, IV

Award Amount: $30,000 per year in Year 1; $32,000 in Year 2 (plus full healthcare coverage)

Term of Award: 2 years

Application Deadline: January 15, 2018 at 5 pm EST
Letters of recommendation required by January 29, 2018.

U.S. Citizenship: Not Required

Eligibility Requirements

Eligible are college graduates who will have received a bachelor's degree before beginning the position. Masters level candidates will also be considered. Please note that this fellowship is not offered concurrently with graduate studies. However, we hope that the fellowship will serve as an important stepping stone towards future graduate studies.

For more specific questions, interested applicants should contact Quan Wang, quan.wang@yale.edu

Application Information

A complete application includes 1 copy of each of the following items, preferably in pdf format:

- A completed application cover page, including name, DOB, mailing address, telephone, email, degree/major/GPA, name/title/institution/phone for 2 referees.
- A CV
- Official transcripts, undergraduate and graduate (if applicable). Transcripts should be sent directly from the institution.
- A 2-page personal statement containing biographic material, relevant experience, and career goals - can be single or double spaced
- Two letters of recommendation that speak directly to the candidate's potential. Electronic copies of recommendation letters are preferred and must be emailed to yescog@yale.edu directly from the recommender. Hard copies may be sent by recommenders in signed and sealed envelopes to the address below.
- Please include your full name on **EVERY PAGE** of the items listed above.

Electronic applications (with scanned documents and separate letters of recommendation emailed directly from referees) are preferred and can be sent directly to yescog@yale.edu

Submission Deadline: Application, personal statement and CV must be received by January 15, 2018. All supporting materials must be received by 5pm EST on January 29, 2018.

Items not sent electronically can be sent to:

Yale Early Social Cognition Lab, 40 Temple St., Suite 7D, New Haven, CT 06510.

For a list of recent publications, visit the Yale Early Social Cognition Lab website:

http://www.childstudycenter.yale.edu/yescog/