Job Description – Software Intern

Department: Arts and Sciences

Reports to: Prof. Jeffrey Erlich

Position Summary

NYU Shanghai is seeking an enthusiastic software intern to join the joint NYU-ECNU Brain and Cognitive Science Institute. The intern will be primarily responsible for participating in the development and maintenance of code infrastructure for Prof. Jeffrey Erlich’s behavioral neuroscience laboratory. The primary work location of this position will be at the NYU Shanghai Research Institutes (ECNU Zhongshan Bei Lu campus).

Responsibilities

Software development

- Collaborate with lab members to implement user interfaces using modern javascript frameworks.
- Write python applications / modules to facilitate the high-throughput behavioral training facility.
- Assist other lab members in debugging code for infrastructure or analysis.

Secondary roles: if time and skill allow

- Participate in analyses of data from the lab using MATLAB/ python.
- Develop next generation embedded applications (e.g. using arduino).
- Analyze video and neural data.

Qualification

- Required Education
  
  Applicants should be currently enrolled in an undergraduate OR graduate program.

- Required Knowledge, Skills, and Abilities
  
  Proficiency in python, javascript and HTML required.
  
  Experience using git for code versioning required.
  
  Experience with MATLAB, flask, angular.js, MySQL, zeromq, redis recommended.
  
  Proficient in both written and spoken English.
  
  Good interpersonal and communication skills to work in an international and cross-cultural environment.
  
  Good problem solving skills, and good time management skills.
  
  Ability to interact with a diverse population of students, faculty, researchers, and staff.
**Availability**

The candidate is expected to be work at least 2 days per week. The schedule and the length of the internship is flexible.

To apply for this internship, please send your resume and cover letter to apply@erlichlab.org.