

Open undergraduate or master student position:

Leveraging responsive web design to improve psychological and educational assessment

Neuroinformatics Research and Development Group, University of Washington

Objective: The web-browser has revolutionized data collection across the sciences - from quality control of brain imaging data, to classification of satellite imagery, to large-scale educational assessments and interventions. We are developing a general purpose, open-source software package to help scientists gamify data collection through the web browser. "[SwipesForScience](#)" is a platform to catalyze discovery across the sciences with specific applications in neuroscience, marine mammal science, psychology, and education. We are looking for a student with expertise in web development using Javascript to build out the functionality of this tool and launch new applications.

This will provide the opportunity to work in a dynamic, collaborative, and interdisciplinary group; develop new cutting edge web-applications; and apply them across a variety of domains with important real world applications. Most importantly, as an open-source project, it will provide opportunities to interface with a broad and diverse group of scientists and developers to publicly showcase your contributions. For students interested in gaining research experience, this work may lead to a publication with a focus on citizen science, human-computer interaction, or web-based psychological/educational assessment. For students interested in building a web-development portfolio, the work would allow them to showcase their contributions to the SwipesForScience app.

Qualifications: The successful application will have

- web development experience using Javascript ES6,
- the ability and interest to contribute to open-source projects using git and GitHub,
- the ability to work independently, and as part of a team, to solve technical issues,
- the oral and written communication skills necessary to discuss and document their research progress.

Application Instructions: Interested students should apply by sending an email with their CV to Ariel Rokem <arokem@uw.edu>, Jason Yeatman <jyeatman@stanford.edu>, and Adam Richie-Halford <richford@uw.edu>.