Psychophysics Intern

The Company:

At Tanvas, our mission is to make your interactions with touchscreens more interesting, more natural, and more engaging. We have developed a novel haptic touchscreen technology that not only tracks the fingertips, but controls what they feel: textures, edges, collisions, and even the illusion of shape on a featureless glass panel. We are developing an extensive set of tools that developers can use to paint haptics to the screen, when and where they want, and to integrate haptics tightly with graphics and audio. We are developing applications in numerous markets including automotive, advertising, entertainment, and consumer electronics.

The Job:

We are looking for a Psychophysics Intern who can help us characterize human perception of the TanvasTouch haptic technology . Projects may involve designing and performing experiments to measure absolute and differential thresholds, the relative strength of virtual and physical stimuli, and the perceptual dimensionality of virtual textures . This role is intended for college students (undergraduate or graduate), or those just getting out of college.

- Work with R&D team to select and prioritize key measurements
- Design test protocols, writing code and developing apparatus as necessary
- Obtain Institutional Review Board approval, as necessary
- Recruit subjects and run experiments
- Analyze data including key statistical measures, such as ANOVA
- Write up results, and where appropriate, submit for publication

The Candidate:

- Psychology, psychophysics or haptics background
- Basic familiarity with the design and analysis of human subject experiments
- Ability to write code in Python or a similar language for the control of experiments as well as the analysis of data
- Preferably, ability to design and build basic apparatus
- Strong communication and collaboration skills are essential
- You will need your own laptop

The Next Step:

Email your resume to jobs@tanvas.co. *Note: You must have valid U.S. work authorization*