

# Hardware Test Development Engineer

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. Tanvas is based in downtown Chicago's easy-access west loop neighborhood. If you're looking for a vibrant, growing company whose culture is one of open debate, continual learning, independent work and peer-to-peer accountability, we are the right choice for your next career move.

**The Challenge:** We promise to change human-computer interaction through rich tactile experiences on TanvasTouch hardware, and to achieve that, we must provide consistent quality of user experience for each and every touch interaction. As a hardware test development engineer, you will design and develop mechatronic test equipment and procedures to ensure that Tanvas hardware delivers on that promise with the highest quality.

## The Job:

- Create and maintain a hardware test platform for validating touch sensing & haptic output
- Develop test automation procedures and maintain test data archival systems
- Analyze test data and identify key areas of failure or inefficiency
- Communicate with the core development team to target areas of development
- Contribute to a team atmosphere that values open, spirited debate, accountability, and a focus on company goals.

## The Candidate:

- 3-5 years of experience building mechatronic systems [e.g. optical tracking systems, three axis-positioning systems, other data acquisition systems]
- Familiarity with data acquisition hardware and software
- Comfortable with prototyping and constructing mechanical test fixtures
- Experience with scripting languages - Python is preferred
- Experience with C/C++ programming
- Experience with dielectric materials is a plus
- Experience with data analysis and digital filtering is a plus
- Hardware failure analysis skills
- Creative problem solving skills
- Bachelor's degree minimum
- Excellent communication skills

**Benefits:** Full time Tanvas employees are eligible for paid vacation, comprehensive medical, dental and vision benefits along with other benefits including 401k, HSA, and commuter transit benefit program.

**The Next Step:** We'd love to hear from you! Please email your resume to [jobs@tanvas.co](mailto:jobs@tanvas.co)

*Note: You must have valid U.S. work authorization.*