



Job Description – Silver Vantage Software

Job Title: Data Collection Technician
Location: Thunder Bay, Ontario (Varied locations for recordings)
Work Term: Contract (May 5 – August 22, 2025, 35 hours per week)
This position is open to applicants aged 18-29 as part of the Youth Effect Program.

Compensation: \$18/hour + \$2/hour wage top-up upon successfully completing program requirements

About us: Silver Vantage Software is an innovative start-up based in Thunder Bay, Ontario, developing AI-powered **thermal vision-based fall detection** to assist the elderly. Our mission is to harness deep learning and computer vision to provide **accurate, hands-free, and privacy-preserving** fall detection, improving safety in care facilities and private residences.

This position is **part of the Youth Effect Program through the Northern Ontario Innovation Centre** and is **funded by FedNor**. The program provides hands-on training and mentorship, offering a unique opportunity for young professionals to gain experience in **technology, innovation, and entrepreneurship**.

About the role: As a **Youth Data Collection Technician**, you will play a key role in expanding our dataset to improve the reliability of our AI-powered fall detection system. This role involves **coordinating and conducting structured recordings, setting up thermal sensor equipment, recruiting participants, and processing recorded data**.

You will represent **Silver Vantage Software** by engaging with volunteers in a professional and approachable manner, ensuring smooth data collection sessions. If time allows, you will also have the opportunity to **learn about AI model testing** and contribute to refining our fall detection technology.

This role is ideal for someone who is **outgoing, organized, and interested in technology**, with the ability to work both independently and as part of a team.

Work Environment:

- The role involves **traveling to various locations in Thunder Bay** for recordings.
- A **dedicated workspace will be provided** when recordings are not taking place.
- There is **occasional potential for remote work** depending on project needs.

Responsibilities:  **Recording Setup & Execution**

- Coordinate and schedule **data collection sessions**





- Set up and **mount thermal sensors** at designated locations.
- Ensure proper **safety measures** are in place for controlled fall simulations
- ✦ **Participant Engagement & Recruitment**
 - **Greet and interact with volunteers** in a professional and welcoming manner
 - Develop outreach strategies to **recruit new participants**
 - Manage scheduling and follow-ups
- ✦ **Data Processing & Quality Control**
 - **Edit and segment recorded videos** into fall and non-fall samples
 - Maintain accurate **data logs and reports**
 - Ensure all collected data meets **quality standards**
- ✦ **Additional Opportunities (As Needed)**
 - Assist with **AI model testing and validation** if data collection and outreach tasks are completed.
 - Contribute ideas for **improving data collection efficiency**.

Candidate requirements:

- ✓ **Must be between 18 and 29 years old** (as per program requirements)
- ✓ **Outgoing and personable**, with strong communication skills
- ✓ **Highly organized** and able to manage schedules independently
- ✓ **Comfortable handling technical equipment** (training provided)
- ✓ **Basic video editing skills** or **willingness to learn**
- ✓ **Proactive and problem-solving mindset**
- ✓ **Flexibility to travel within Thunder Bay** for recordings
- ✓ **Ability to represent Silver Vantage Software professionally**
- ✓ **Valid driver's license and access to a vehicle preferred** (to facilitate travel for recording sessions)

Additional Program Requirements:

As part of the Youth Effect Program, the successful candidate must:

- 🎓 Attend a **meet and greet** and **graduation event**.
- 🍴 Participate in **three peer-to-peer lunch sessions**.
- 🚀 Take part in a **three-day leadership and entrepreneurship retreat**.
- 📖 Attend **additional learning sessions** over the 15-week term.

Contact Us to Apply

If you're excited to be part of an innovative team and contribute to groundbreaking research, we'd love to hear from you! Send your **Resume/Cover Letter** (or CV) and a **brief introduction** to chris@silvervantagesoftware.com.

Application Deadline: March 28, 2025, 11:59PM EST

