

Position:
Research Scientist, Applied Data Science
Group:
Consumer, Sensory and Market Insights Research & Development
Position Type:
Permanent Full Time
Hours of Work:
35 hours/week 8:30 a.m. – 4:30 p.m.
Job Grade:
RD5
Annual Salary*:
\$78,730 - \$112,462 (*commensurate with experience)
Expected Starting Salary:
\$78,730
Job Posting #:
JP-25-2026
Posting Dates:
September 9, 2026 – Until Filled

Research Scientist (Applied Data Science) Research & Development

Come join Canada's leader in horticultural research and innovation
and grow your career with us!

Vineland Research & Innovation Centre (Vineland) is a uniquely Canadian results-oriented organization dedicated to horticulture science and innovation. We are an independent, not-for-profit organization, funded in part by the Sustainable Canadian Agricultural Partnership (Sustainable CAP), a five-year, federal-provincial-territorial initiative. We deliver innovative products, solutions and services through an integrated and collaborative cross-country network to advance Canada's research and commercialization agenda.

Vineland is situated on treaty lands. These lands are steeped in the rich history of the First Nations including the Hattiwendaronk, the Haudenosaunee, the Anishinaabe and the Mississaugas of the Credit First Nation. Many First Nations, Métis and Inuit people from across Turtle Island live and work in Niagara today. Vineland stands with all Indigenous people, past and present, in promoting the wise stewardship of the lands on which we live. As treaty people, residents, and caretakers, we are committed to continuous learning and a deep respect for Indigenous people, culture and history.

What we're looking for...

Reporting to the Director of Consumer, Sensory and Market Insights or delegate, the Research Scientist provides applied research, data science, software, analytics, AI-readiness, and digital horticulture leadership within approved R&D priorities, projects, services, and workplans.

The role leads scoped technical implementation, develops reusable and auditable research data workflows and analytical tools, supports proof-of-value projects, contributes to client and partner opportunities, and provides technical recommendations that support applied research delivery.

What you'll do...

- Lead the technical design, development, implementation, maintenance, and continuous improvement of scoped software tools, research data workflows, dashboards, automation tools, AI-enabled applications, and digital horticulture components within approved R&D projects, service, and client-facing work.
- Develop documented, reusable, auditable, and quality-controlled data structures, metadata practices, lifecycle controls, version control approaches, code-integrity practices, and responsible data-use methods.
- Apply data science, machine learning, computer vision, statistical modelling, decision-support, reporting, and advanced analytics methods to produce scientifically valid, reproducible, interpretable outputs for approved research and service purposes.
- Translate research, business, client, and partner needs into technical requirements, implementation plans, resource estimates, acceptance criteria, service concepts, and delivery plans for review and approval.
- Contribute to business development and client or partner engagement by identifying technical opportunities and preparing technical approaches, proposal content, costing assumptions, project designs, presentations, and implementation plans.

What we need from you...

- BSc/BEng or MSc/MEng, or equivalent with experience in applied data science including computer science, software engineering, data science, bioinformatics, computational biology, information systems, artificial intelligence, or machine learning, or a closely related field.
- Minimum three (3) to five (5) years of relevant experience in software engineering, data engineering, applied data science, ML/AI implementation, research software development, scientific computing, digital systems, or applied research technology delivery.
- PhD considered an asset.

(*A more comprehensive position outline is available upon request.)

Why work for us...

Our people are the most important asset in achieving our goals and are known in the world for their excellence in science and entrepreneurship. Our staff enjoys an exciting and challenging work environment noted for collaboration and knowledge sharing.

Vineland strives to create an environment that brings the power of diversity to life. We welcome applications from all qualified candidates including women, Indigenous peoples, members of visible minorities and racialized groups, persons with disabilities, persons of the 2SLGBTQIA+ community, and others. In accordance with all applicable provincial accessibility standards, accommodations are available upon request for candidates taking part in all aspects of the recruitment, selection and/or assessment process.

And there's more...

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| • Flexible work arrangement | • Paid vacation |
| • Competitive Salary + Bonus Structure | • Employee perks |
| • Comprehensive health benefits | • Company Events |
| • RRSP Matching Plan | |

If selected to join our team:

You will be required to present proof of education (original transcripts/credentials). Credentials obtained outside of Canada require an evaluation to determine the Canadian educational equivalence. This evaluation must support the educational requirements for the position as a condition of employment. For further information, visit: World Education Services at: <http://www.wes.org/ca>.

Contact us...

We look forward to hearing from you!

Vineland is located at 4890 Victoria Avenue North*, Vineland Station, Ontario, Canada.

(*Please note that this location is not accessible by public transportation.)

Website: www.vinelandresearch.com

E-mail: careers@vinelandresearch.com

We appreciate all applications received; however, only candidates selected for an interview will be contacted. We confirm that we do not use AI in screening, assessing or selecting candidates; and this position is a new vacancy.

For more information on Vineland Research and Innovation Centre, visit us at www.vinelandresearch.com.