

Quantitative Ecologist (Internship)

Location: Remote (within Canada)

Duration: 6 months, with potential for full-time continuation

Start Date: November 15, 2025

Salary: \$62,500 annual equivalent (for internship period; higher salary upon full-time continuation)

Join Us in Building the Future of Environmental Modeling

At **ApexRMS**, we use data and science to shape real-world environmental decisions. Our software and models help governments, researchers, and NGOs forecast how ecosystems change including wildfire risk, carbon dynamics, species conservation, and landscape change.

We're seeking a [Quantitative Ecologist](#) to join our team for a six-month internship, with the potential to transition into a full-time role. If you're passionate about ecology, modeling, and turning code into meaningful insights, we'd love to hear from you.

Note: Applicants must confirm their eligibility for the [ECO Canada Science Horizons Youth Internship Program](#) before applying.

What You'll Do

- Acquire, process, and analyze environmental datasets
- Build and apply quantitative models using **R**, **Python**, **SyncroSim**, and related tools
- Collaborate with a multidisciplinary team of scientists and software developers to model landscape change, carbon dynamics, and habitat conditions
- Translate modeling results into clear, actionable outputs for resource managers and policymakers
- Contribute to open-science tools and reproducible workflows that support global sustainability efforts

What You Bring

- Strong technical and analytical skills in geospatial data analysis and scripting (R/Python).
- Experience working with raster and vector data, ideally in an environmental context.
- A curious, detail-oriented mindset and the ability to turn data into stories about how ecosystems work.
- Familiarity with open-source workflows and version control (e.g., Git) is an asset.
- Background in landscape ecology, carbon accounting, wildfire modeling, or habitat modeling is a plus.

What You Bring

- **Education:** Bachelor's or Master's degree in **Ecology, Environmental Science, Geography, Mathematics, Computer Science**, or a related field with strong quantitative or analytical components. A PhD or equivalent research experience is an asset but not required.
- Strong quantitative and programming skills (**R** and/or **Python**)
- Ability to work independently and think critically about data and modeling approaches
- Interest in environmental forecasting, landscape modeling, or ecosystem dynamics
- Familiarity with **geospatial analysis** and **GIS tools** (e.g., QGIS, ArcGIS) is an asset, but not required
- Experience with **open-source workflows** and **version control** (e.g., Git) is an asset
- Eligibility for **ECO Canada's Science Horizons Youth Internship Program** (Canadian citizen, permanent resident, or refugee; **30 years old or younger at the start of the internship**; recently graduated)

Why ApexRMS

You'll join a **mission-driven company** advancing environmental science through technology. We collaborate with **academics, governments, land managers, and Indigenous organizations** across the globe. Our open-science platform, **SyncroSim**, is used by organizations such as the **U.S. Geological Survey, Canadian Forest Service, and The Nature Conservancy** to make evidence-based decisions for the planet.

We offer:

- A flexible, fully remote work environment (within Canada)
- Collaborative, science-focused culture
- Competitive compensation during the internship, **with a higher salary upon full-time continuation**
- Annual company retreats and professional development opportunities

How to Apply

Please send your **CV** and a brief **cover letter** (1–2 pages) explaining your fit for this role to careers@apexrms.com with the subject line:

“Quantitative Ecologist Internship – [Your Name]”

Applications will be reviewed beginning **November 3, 2025**, and will remain open until the position is filled.

Only candidates selected for interviews will be contacted.