

Product Lead: Formal Verification

Location: Remote

Travel: likely 10-20% travel

Salary range: \$150-200k/yr + a stipend for benefits

Note:

- Text in dark green is specific to this role

Key Summary

Advancements in AI bring both opportunities and serious risks, which simultaneously enable and necessitate more powerful approaches to high-assurance systems. Atlas Computing is a nonprofit working to ensure robust democratic oversight and control of critical infrastructure and AI. We are building an ecosystem for AI systems with provable properties.

Building an ecosystem is a massive group effort: we work with the formal methods, AI, cyber, and biosecurity communities across academia, government, and industry. We contribute through both technical work (targeted research, product development, technology transfer) and community organizing (education, government outreach, conferences, coordinating funding, incubating startups).

Atlas Computing is looking for a product manager to stimulate a transition to a new paradigm of software generation. AI research advances are creating opportunities to scale up formal verification and specification-driven software-development, and we are looking for a product lead to drive technology transfer from research to real-world applications. This involves building relationships with formal verification customers and developing and executing product strategy to put AI-assisted formalization into practice.

As the FV Product Lead, success in the first year looks like:

(In order of priority from highest to lowest)

- You're deftly owning outreach, prioritization, and coordination of stakeholders and potential adopters for all our product development as well as those of the broader ecosystem we're building. You've identified bottlenecks in adoption, and have ensured that we're taking actions to scale growth.
- You've developed and are executing on the product strategy for using AI-aided verification to deliver clear customer value by mid-2025 that we can use as clear evidence for fundraising.
 - Ideally our services are critical to a priority stakeholder's ability to meet their commitments.
- You've made progress helping our collaborators do tech transfer, converting research ideas into products with daily active users who would be very disappointed if this tool went away
- You've identified and helped us hire an amazing Research Lead (if we haven't hired one already)

You may be a fit for this role if you have...

- 5+ years experience as a PM
- expertise in the market for formal verification
- a fountain of ideas of how to achieve the above “first year” outcomes
- a practice of reviewing the state-of-the-art after having an idea, coupled with an urge to prototype, test, and iterate
- a founder mindset, with a high degree of ownership over outcomes and the ability to personally make and externally drive progress with little oversight
- experience coordinating and aligning groups to work toward a common goal.
- an ability to think across disciplines and research-development timescales
- strong analytical, problem solving, and communication skills.
- interest in shaping our culture, as we’re still a very small organization.

Bonus points if you have...

- experience with Lean or Coq.
- experience shaping the research agendas of science funders.
- experience with usability tools in IDEs and/or formal methods.
- experience building internal teams and external communities to deploy and adopt innovative tools.
- experience with SCADA systems.
- experience developing or evaluating systems that use modern AI.
- relationships with existing major customers and vendors and a history of delivering on their customers’ needs.
- demonstrated thought leadership in high-assurance with a vision for how AI could scale formalization.
- seriously considered starting your own company, but the opportunity or push hasn’t come up yet.
- experience managing research consortia and knowledge of how research labs are run and funded.
- been the person in the conversation who is always recommending books.
- a deep commitment to improving the human condition with technology, and understanding how different people might define “improving”, “human”, “condition”, and “technology” in that phrase.

Here’s a supplemental living document if you have more questions: [More information for potential hires](#)