**Research Engineer / Research Scientist, Multimodal**

**About Anthropic**

Anthropic’s mission is to create reliable, interpretable, and steerable AI systems. We want AI to be safe and beneficial for our users and for society as a whole. Our team is a quickly growing group of committed researchers, engineers, policy experts, and business leaders working together to build beneficial AI systems.

You want to build cutting edge Artificial Intelligence from the ground up. You are passionate that these systems are safe and trustworthy, and care about their broader societal impact. In this role, you'll work on research, development, and infrastructure for state-of-the-art large language models, with a focus on multimodal capabilities. This role will touch all parts of the research ecosystem, from building infrastructure to developing research prototypes to running multi-thousand accelerator training jobs.

**You may be a good fit if some of the following apply to you:**

* Care deeply about the societal impacts of your work
* Want to work on the frontier of Artificial Intelligence
* Have substantial software engineering experience through industry, academia, or other projects
* Have research experience, through writing scientific publications, or involvement in personal or industrial projects
* Are results oriented and flexible in your approach
* Are willing to pick up slack, even if it goes outside your job description
* Like working in a close-knit team environment, and enjoy pair programming!

**Strong candidates may have experience with some of the following:**

* High performance, large-scale Machine Learning systems
* ML hardware, frameworks, and infrastructure, such as TPUs, GPUs, Jax, PyTorch, OS internals, and Kubernetes
* Language modeling with transformers
* Deep learning research on images, videos, audio, or other modalities

**Representative projects:**

* Design a training loss for a new modality
* Design and run experiments to evaluate the scalability of two architectural variants
* Analyze and debug a large-scale training run
* Scale an architecture to optimize throughput on thousands of GPUs
* Build from-scratch a new deep learning architectural components
* Build a pipeline to ingest a novel source of data
* Build a language model evaluation
* Build a tool for data visualization
* Review the scientific literature in a domain write a design doc on how techniques could be applied

**Open Questions to Applicant**

**Why do you want to work at Anthropic? (We value this response highly - great answers are often 200-400 words.)**

I believe the next five to ten years will be pivotal in shaping how AI evolves and integrates into society, and Anthropic's vision resonates strongly with my convictions about inclusivity and responsible innovation. Throughout my career, I have been committed to knowledge sharing - whether through highly-rated AI/ML workshops, teaching machine learning at EPFL, or providing comprehensive tutorials for colleagues and the broader community. I have seen firsthand how empowering it is to give people the skills they need to harness advanced technologies. Much like Microsoft Office was a fundamental skill in the 2000s, knowing how to use AI responsibly has become the new baseline for modern society.

Anthropic's focus on broad accessibility, ethical considerations, and human-centered design aligns with my own values. I appreciate that the company is not simply chasing business goals, but rather treats AI safety as an important topic and shares insights with the wider community. As one of the top contenders in AI development, Anthropic understands that it is not just about pushing boundaries - it is also about applying this technology responsibly. Especially when AGI seems within reach. I am particularly drawn to Anthropic's collaborative approach, where researchers, engineers, and policy experts work closely to promote safe and reliable AI across multiple domains.

I am excited to bring my experience in machine learning, multi-modal signal processing, and real-world application development to Anthropic's mission. From building with new modalities and pipelines to contributing to frontier research and ensuring interpretability, I want to be part of a team that navigates these uncharted waters with care. Helping Anthropic build safe, innovative, and inclusive AI feels like a natural extension of my ongoing dedication to sharing knowledge and empowering others.

**In one paragraph, provide an example of something meaningful that you have done in line with your values. Examples could include past work, volunteering, civic engagement, community organizing, donations, family support, etc.**

Throughout my career, one of my core values has been understanding new technologies and creating educational resources that empower others. During my Bachelor's, I wrote 100s of pages summarizing lecture material - rewriting complicated statistics into a more applied and digestible format - not only to help me fully absorb it but also to then freely share it with my classmates. In my Master's, I authored a comprehensive handbook for a newly developed neuroimaging tool from MIT and Stanford, which deepened my own understanding while enabling a wider community to use the software more confidently. For my PhD, I created an advanced MRI processing pipeline, that was intentionally more flexible than I personally required, incorporating SOTA singal-processing, machine learning and statistical methods so it could serve my colleagues and the broader research community - and also helped me appreciate the entire spectrum of MRI processing. Over the last decade, I gave numerous applied data science and neuroimaging workshops in both academic and industrial settings to empower participants from all backgrounds with a better understanding and to demystify AI in general. As such, I regularly give introductory AI crash courses for everyone from line workers to managers, helping them transition into AI-savvy professionals. And teaching these fundamentals continues to enrich my own understanding. I hope that this illustrates my drive to better understand complex systems, my commitment to making advanced technology accessible, and my belief in fostering a collaborative learning culture that benefits everyone.

**What’s your ideal breakdown of your time in a working week, in terms of hours or % per week spent on meetings, coding, reading papers, etc.?**

- 10% reading papers

- 20% prototyping & exploration (experimenting and exploring novel approaches)

- 40% coding (feature and pipeline implementation, reviewing, debugging)

- 5% research / brainstorming (incl. discussion with colleagues)

- 15% meetings (team syncs, cross-functional collaboration, project planning)

- 10% admin (presentations, emails, etc.)

**And a short cover letter**

Thank you for considering my application. I'm genuinely excited about the work Anthropic is doing, especially its emphasis on safe, inclusive AI development. As I've mentioned elsewhere in my responses, I'm passionate about sharing knowledge and making AI more accessible to everyone, whether through research, engineering, or education. I'm also eager to collaborate with a team that values responsible innovation and is actively shaping the future of AI.

I appreciate your time reviewing my application and would welcome the opportunity to discuss how my experience in multimodal signal processing, algorithm prototyping, and large-scale ML pipelines could contribute to Anthropic's mission. If you have any further questions or need more details, feel free to let me know - I'm more than happy to elaborate.

Again, thank you for your consideration, and I look forward to the possibility of working together.