

# ML Research

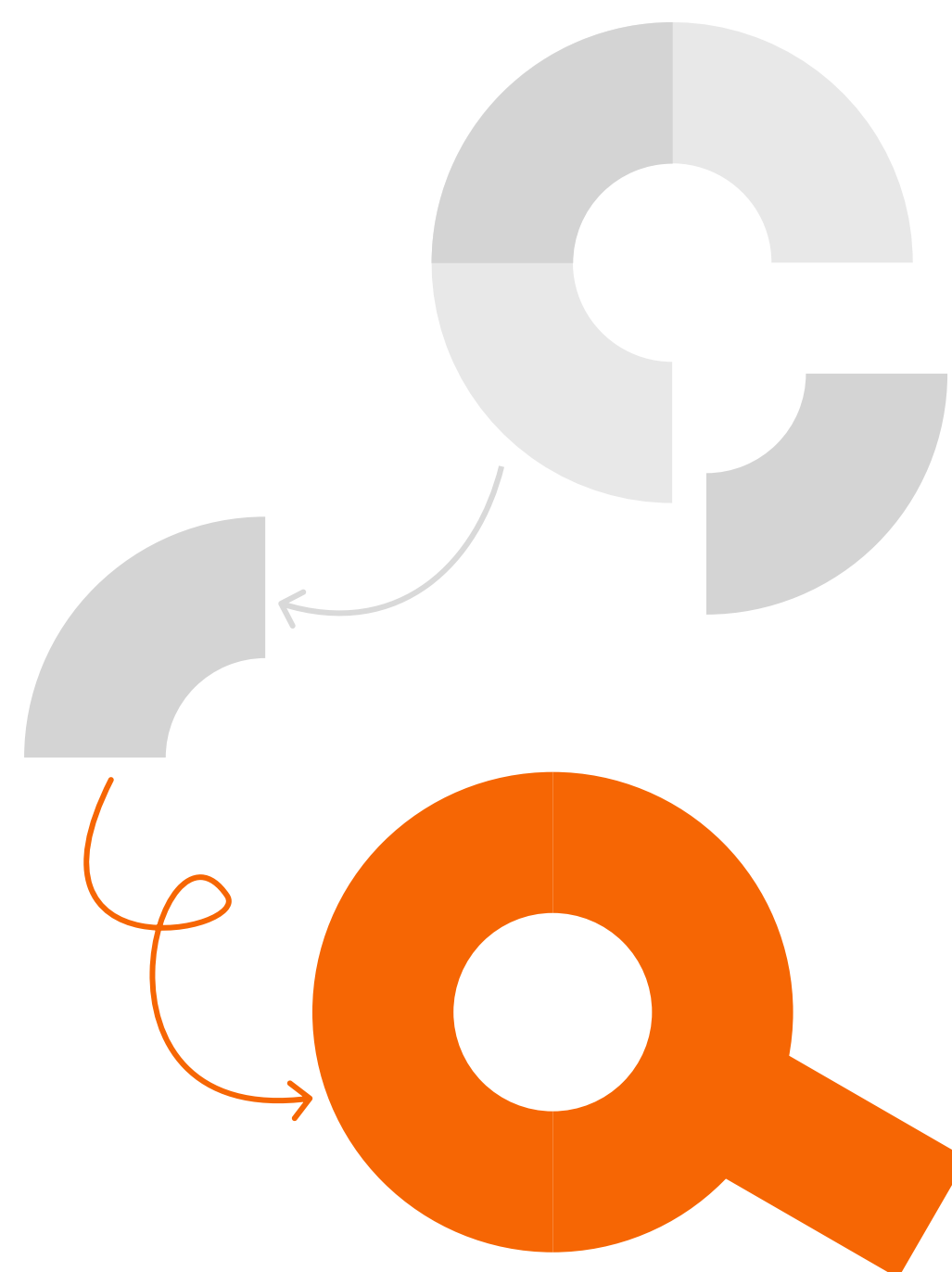
Hop

## Hop develops novel algorithms for specific needs

Here at Hop, we use research-grade techniques from the machine learning community to solve real business problems.

This involves implementing and extending existing papers, and applying novel research techniques towards the proprietary data and challenges of our clients. Our researchers focus on rigor, practical performance and thoughtful tradeoffs between false positives and false negatives.

We've done extensive work in computer vision, natural language processing, recommendation systems and knowledge graphs, and are fluent in both traditional and deep-learning-based techniques.



### Featured Case Study

## Computer Vision for a Competitive Edge in Sports

For a startup at the cutting edge of innovation in the professional sports industry, we tackled the novel problem of limb-tracking, key to our client's 3D technology.

### SUMMARY

- Our client develops cutting-edge technology to assess skill and provide insights to athletes and decision-makers in the sports industry.
- Hop was engaged to solve the complex and layered problem of limb-tracking – pioneering research work in the realm of computer vision.
- This collaboration played a key role in the research and development of the 3D aspect of our client's technology, currently in use by a number of professional sports teams to improve performance.

[READ THE FULL CASE STUDY](#) ↗

Looking to extend your organization's ML research capacity?

[Contact us](#) to learn how Hop can help.