

## **AI Research Scientist**

Job Type: Full-Time

Employer: Phiar Technologies, Inc.

Location: Redwood City, CA; Remote is OK

Link: <http://www.phiar.net>

Contact: [contact@phiar.net](mailto:contact@phiar.net)

## **Phiar's Mission and Vision**

Mission: To enable every vehicle to have human-like perception capabilities.

Vision: To revolutionize how people navigate, interact, and experience the world.

## **Who We Are**

We have developed the world's first AI-powered AR navigation platform for drivers, using our ultra-efficient Spatial-AI: road understanding deep learning AI and 3D localization that runs at the edge, in real time. We are a group of dedicated professionals formed out of Harvard and the Harvard Innovation Labs in 2017, bringing expertise in deep learning, computer vision, software optimization, and UX design. We are backed by multiple tier-1 mega VCs and Y Combinator, and we have just recently raised our Series A funding round that was led by State Farm Ventures, and we are making our funding announcement in June. Therefore, now is the perfect time to join our core team and revolutionize how billions of people perceive and navigate the world!

## **Phiar In The News**

Seed funding round media coverage (2018)

- [Techcrunch](#)
- [VentureBeat](#)
- [Newsweek](#)

Mobile application beta program media coverage (2020)

- [VentureBeat](#)
- [NextReality](#)

Panasonic - Phiar AR HUD partnership media coverage (2020 - 2021)

- [Panasonic North America](#)
- [Panasonic at CES 2021](#)
- [CNN Business](#)
- [Car and Driver](#)
- [CNET](#)

Additional media coverage on Phiar

- [WIRED](#)
- [Detroit Free Press](#)

## Demo Videos

- [Phiar's AI-powered AR navigation](#)
- [Phiar's Spatial-AI engine's application concept](#)
- Phiar's ultra-efficient AI - real-time on mobile processors:  
<https://youtu.be/9vFtvQYi-bQ>  
<https://youtu.be/5uYedYGV-fM>
- [Panasonic's AR HUD, powered by Phiar's Spatial-AI Engine](#)

## Who You Are

We are seeking a talented machine learning and computer vision research scientist as a key hire to our team, to research and develop the most efficient and accurate deep learning computer vision models for road understanding. The candidate should have experience with classical and deep learning computer vision techniques in lane detection, object recognition, semantic segmentation, or other related computer vision perception tasks and learning methods. Knowledge and experience in statistical machine learning, optimization, or 3D geometry is a plus. The ideal candidate should also be a versatile software hacker who is an excellent problem solver, and is able to deliver on schedule. We also encourage scientific publication opportunities as part of this role.

## Qualifications

- PhD in Computer Science or other related field, with a focus in Computer Vision and Deep Learning.
- Working knowledge in one of the popular deep learning frameworks (i.e. PyTorch, Keras, Tensorflow, Caffe/Caffe2).
- Strong publication record in related venues, such as CVPR, ICCV, ECCV, BMVC, ICLR, NeurIPS, ICML, AAAI, PAMI, IJCV.

## Proficient in one of the following topics

- Lane detection
- Object detection and tracking
- Semantic segmentation
- Monocular depth estimation

- Multi-task learning
- Model compression and knowledge distillation

### **Bonus Points**

- Familiar with statistical machine learning methods, such as SVM, random forests, ensemble models, clustering, boosting, graphical models, and other non-deep learning ML methods
- Experience working with OpenCV, CUDA, OpenGL, and/or OpenCL

### **Join Us!**

Phiar is a leading AI and AR company with industry leading on-device mobile deep learning AI technologies. We offer competitive salaries, company stock options, company sponsored medical/dental/vision/chiro/life benefits, unlimited PTO, and we sponsor H1-B visas and green card applications. We are a group of passionate and fun loving people. Join us to build something amazing and let's change the world together!