

Lead/Senior VIO & SLAM Engineer

Job Type: Full-Time

Employer: Phiar Technologies, Inc.

Location: Redwood City, CA; remote negotiable

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

Contact: contact@phiar.net

Who We Are

We are developing the world's first AI-powered AR navigation platform for drivers, using our ultra-efficient deep learning road-understanding AI. 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 (TechCrunch feature: <https://tcrn.ch/2TQHATu>). Now is the perfect time to join our core team and revolutionize how billions of people perceive and navigate the world!

Who You Are

Phiar's core engineering team is looking for an experienced engineer to work on bringing VIO & SLAM into iOS for real-time AR visualization. This person should have experience in developing efficient VIO & SLAM algorithms for drones, robots, self-driving cars, and augmented reality wearables or devices.

Responsibilities

- Help productionizing efficient VIO & SLAM to work on Phiar's iOS platform.
- Research and engineer Phiar's iOS VIO & SLAM to be more robust, light-weight, and accurate for outdoor driving environments.
- Keep up with the latest state-of-the-art VIO & SLAM research, and integrate into Phiar's iOS AR pipeline.

Qualifications

- MS or PhD in computer science or related fields, with a focus on VIO, SLAM, 3D reconstruction, or structure from motion.
- 2+ years of experience in developing monocular VIO & SLAM algorithms and systems for AR/VR/MR devices or applications, drones, robots, or self-driving cars.
- Extensive software engineering experience in C/C++.

- Strong problem solver, hacker, critical and independent thinker.

Bonus

- 3D graphics development experience using Metal/OpenGL/Vulkan.
- Experience with parallel programming using GPU or multi-core systems.
- Working knowledge in 3D pose estimation and tracking in computer vision.
- Publications in a related top tier conferences such as 3DV, ICRA, IROS, CVPR, ICCV, ECCV.

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, commuter benefits, unlimited PTO, and we sponsor H1-B visas. We are a group of passionate and fun loving people. Join us to build something amazing and let's change the world together!