



Job Title	Senior RF Research Associate - Computer Vision Algo Engineer
PVN ID	SI-2212-005294
Category	Research
Location	COLLEGE OF STATEN ISLAND

Department

Status	Part Time
Hourly Rate	\$52.13-\$52.13
Hour(s) a Week	0.00-19.00
Closing Date	Feb 16, 2023 (Or Until Filled)

General Description

Computer Vision Algo Engineer - Grant Funded (part-time)

Salary: \$52.13 per hour Hours: 19 hours per week Commitment: 52 weeks

This is a grant-funded position from The City University of New York. Grant-funded positions expire either at the end of the stated term or whenever funding for the position ceases.

About Nanit:

The team behind Nanit are experts in those first precious moments of your baby's life. The company provides products and services that help parents stay informed on their baby's health, safety and well-being through smarter and better use of technology. In 2016, the Nanit baby monitor revolutionized the industry with computer vision and machine learning capabilities that helped parents help their babies sleep better. Now, the company has become the leader in the connected nursery space, with an incredible customer base of highly-engaged new parents who look to Nanit as a source of information and expertise on their parenting journey.

About The Role:

In partnership with The City University of New York, you will collaborate as a member of the Nanit Algorithms Team in Israel and liaise with Dr. Sarah Berger (College of Staten Island) to work on innovating our research.

Other Duties

What you will do:

- Research and development of state of the art AI models to solve problems in the video analysis world
- Working on diverse computer vision tasks: Pose estimation, self-supervision, segmentation, detection, classification, multi-modality (video + sound), OOD, confidence, monitoring, etc..

- End-to-end development, from the research phase to a production-grade model: data collection and analysis, literature review, research & POC, analyze errors, improve performance and reduce computation cost, support deployment to production.
- Closely support the work of MLOps Team

Qualifications

Requirements:

- At least 3 years of experience in deep learning development for computer vision
- Excellent programming skills in Python
- Experience and theoretic understanding of CNNs for vision tasks
- Experienced in using at least one of the Deep Learning frameworks: TensorFlow, PyTorch
- M.Sc. in Computer Science / Electronic Engineering / Math
- Ability to work independently with remote guidance
- Strong ability to self-learn, come up with solid solutions to problems and lead their execution

Preferred:

- Ph.D. in Computer Science/Engineering/Math
- Developing production-grade algorithms
- Experience with statistical software (R and SPSS)