



CV/ML Software Engineer Co-Op/Intern

Summer 2023

Somerville, Massachusetts, United States

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rStream is a fast-growing startup in artificial intelligence and automation for sustainable waste management. Our headquarters are at Greentown Labs in Somerville, Massachusetts, the largest ClimateTech incubator space in North America. There we design, prototype, and test cutting-edge technology solutions that will modernize the world's recycling infrastructure to make it more efficient, cost-effective, scalable, and sustainable.

We're fostering an environment where talented, driven individuals can grow and create impact. We are looking for unconventional thinkers to join our mission; at rStream, your contributions have meaning and can spur change. With backing from top-tier funding partners including the National Science Foundation and upcoming financing rounds in pursuit of top-tier investment, we're always seeking ways to raise the bar on our innovation, solve challenges in our industry, and improve each day in what we do. Learn more at rStreamRecycling.com.

rStream is hiring a CV/ML Software Engineer Co-Op reporting to the Software Lead to support the applied research and pilot implementation of rStream's vision system in August 2023.

As one of our CV/ML Software Engineers, you will work to:

- Reshape the fundamental economics of recycling by increasing the effectiveness of automated sorting systems.
- Integrate CV software onto a real-world pilot system
- Establish a data pipeline for remote deployments
- Train, evaluate, and fine-tune computer vision algorithms
- Apply state-of-the-art methods for domain adaptation
- Analyze real-world pilot performance
- Help build an effective software team by shaping best-practices, fostering inclusive culture, and advocating for positive change.

Email: igoodine@rstreamrecycling.com

Website: www.rstreamrecycling.com

The successful candidate will have:

Required:

- Expertise with computer vision and machine learning
- PhD, master's, or rising senior in Computer Science or related field
- Demonstrated ability to evaluate/validate/report on machine learning approaches

Preferred:

- Familiarity with Transfer Learning
- Experience with segmentation and object detection
- Familiarity with version tracking/control (i.e., GitHub)
- Experience deploying CV/ML models in real-world applications
- Experience with fast-paced iteration of prototypes/products
- Effective collaboration, team work, and communication skills
- Startup ready mentality

Bonus:

- Background/Interest in domain adaptation and model generalization
- Prior experience at a startup or innovation team
- Experience with cloud computing, databases, and storage
- Knowledge of cameras and image processing
- Framework Experience: PyTorch, Tensor Flow
- Language Familiarity: C++, Python
- Specialized Skills: Familiarity with automation/robotics and IoT protocols
- Scientific background with potentially applicable technologies - we love crazy ideas!

Working Location(s):

- rStream's Somerville MA Headquarters, Greentown Labs
- Onsite preferred. Hybrid minimum. Full-remote opportunities are available for exceptional candidates, however regular travel may be required to interface with hardware necessary for this role.

Affirmative Action/EEO Statement:

rStream is an Equal Opportunity Employer and values diversity of thought, access, and experiences. Qualified individuals seeking employment with us are considered without regard to race, color, religion, national origin, age, sex, marital status, physical or mental disability, veteran status, gender identity, sexual orientation, or any other characteristic protected by law.

Other duties:

We recognize that there is more to work than the day-to-day responsibilities. In addition to a collaborative, high-performing team environment, we're pleased to offer competitive compensation rates; flexible work hours; and the opportunity to quickly accelerate your learning and growth.

Salary & Compensation: \$18/hr - \$30/hr depending on experience.

How to Apply: Email igoodine@rstreamrecycling.com with subject: "rStream CV/ML CoOp S23"