Research Scientist - Intern

Amazon Corporate LLC

at University Internships
US, WA, Seattle

Job Description
The Computer Vision team at Amazon Fulfillment Technologies (AFT) is offering summer internships in sunny Seattle. The AFT Computer Vision operates a network of hundreds of thousands of cameras that monitor industrial processes, products, and personnel. The team explores, innovates, and delivers advanced vision technologies that involve processing petabytes of images and video data streams from these cameras. We are looking for graduate students to roll up their sleeves and conduct leading research into creating and deploying the next generation of computer vision and machine learning algorithms that can robustly scale to large streams of real-world data. Our current research areas focus on:

- Object recognition (detection, segmentation, and tracking)
- Human action and activity detection and understanding
- Embedded systems (GPGPU programming – OpenCL/OpenGL/CUDA/DirectX)
- Visual semantic search and understanding
- Deep learning
- Optimization algorithms

You will collaborate with one or more researchers and engineers with extensive knowledge and experience of building and deploying large-scale systems. You will have an opportunity to work with a small team of entrepreneurs—engineers and researchers—that develop and deploy new products and services for industrial automation, thus making it possible for you to see your work making an impact in the real-world for our customers and millions of consumers.

We are particularly interested in interns nearing graduation. High-performing interns often receive job offers at the end of their internships.

Qualifications
Currently enrolled in a PhD Program with a degree in Mathematics, Operational Research, Statistics, or in a field of experimental science
Computer Science fundamentals in data structures, algorithms, problem solving and complexity analysis
Experience with predictive modeling, customer profiling, hypothesis testing, regression techniques, and/or recommender systems
Programming skills to extract, transform, and clean big data sets in a Unix/Linux environment
Strong communication and data presentation skills
Strong problem solving ability
Experience in using SAS, R, Matlab or other statistical software
Experience with Python or Perl (or similar scripting language)

Preferred Qualifications
Currently enrolled in a PhD Program with a degree in Mathematics, Operational Research, Statistics, or in a field of experimental science or equivalent experience
3+ years of industry experience in predictive modeling and analysis
Proficient in C/C++

Amazon is an Equal Opportunity-Affirmative Action Employer – Minority/Female/Disability/Vet
About This Team

University Internships

US, WA, Seattle

Research Science

Our Benefits

Our Leadership Principles

(principles)

Our Leadership Principles aren’t just a pretty inspirational wall hanging. These Principles...

Learn More (principles)

Important FAQs for current Government employees:

Before proceeding, please review the following FAQs: http://www.amazon.jobs/faqs#Govt (http://www.amazon.jobs/faqs#Govt)