Matroid careers

All positions are advertised on matroid.com/careers. Key ones most relevant to ICME students are listed below.

Computer vision intern (internship)

Responsibilities

- Build neural network architectures for the Matroid platform.
- Develop prototypes and execute experiments to help guide engineering efforts.
- Explore new model families and machine learning algorithms.
- Experience with Deep Learning and CNNs

Minimum Requirements

- Bachelors in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
- Strong foundations in probability, linear algebra, and optimization.
- Background in statistical modeling and inference.

Preferred Qualifications

- Experience with large-scale industrial applications of statistical modeling and inference.
- Experience with statistical modeling across a diverse range of data sets and domains.
- Masters in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
Computer vision scientist (full-time)

Responsibilities
● Establish and expand the rigorous statistical foundations of the Matroid platform.
● Develop prototypes and execute experiments to help guide engineering efforts.
● Explore new model families and machine learning algorithms.
● Experience with Deep Learning and CNNs

Minimum Requirements
● Masters in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
● Strong foundations in probability, linear algebra, and optimization.
● Background in statistical modeling and inference.

Preferred Qualifications
● Experience with large-scale industrial applications of statistical modeling and inference.
● Experience with statistical modeling across a diverse range of data sets and domains.
● PhD in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
Deep learning engineer (full-time)

Responsibilities
- Create new neural network architectures and integrate them into the Matroid platform.
- Develop prototypes and execute experiments to help guide engineering efforts.
- Explore new model families and machine learning algorithms.
- Experience with Deep Learning and CNNs.

Minimum Requirements
- Bachelors in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
- Strong foundations in probability, linear algebra, and optimization.
- Background in machine learning.

Preferred Qualifications
- Experience with large-scale industrial applications of statistical modeling and inference.
- Experience with machine learning in computer vision.
- PhD in Computer Science (AI/ML specialization), Statistics, Mathematics (Probability), or equivalent.
Deep learning solutions engineer (full-time)

We’re looking for a Deep Learning Solutions Engineer to operate as the customer-facing technical expert across both pre-sales and post-sales - translating customer requirements and business objectives to best-in-class technical solutions.

Responsibilities
- Collaborate with sales and engineering to drive business development, including building and presenting marketing materials, customized demos, flyers, decks and proposals
- Assist sales in qualifying leads from a technical perspective
- Prototype and deliver PoC solutions tailored to customer requirements
- Serve as the primary liaison with customers on all technical matters, including integration, deployment, troubleshooting and any other technical queries
- Lead product training sessions

Minimum requirements
- Bachelor’s degree in computer science, computer engineering, electrical engineering or other technical field
- Experience training and deploying state-of-the-art models using popular machine learning frameworks, such as TensorFlow
- Solid oral, written, presentation, collaboration and interpersonal communication skills
- Adept at communicating to both technical and commercial audiences

Nice to haves
- Undergraduate / graduate degree with a concentration in computer vision, machine learning, data science or related field
- Computer vision knowledge and experience
- Previous work experience in solutions, sales engineering, professional services, consulting or other customer-facing field
- Experience with high growth technology startups

What we offer in return
- Competitive pay and equity
- The chance to constantly work on stimulating intellectual challenges
- Gym membership reimbursement
- Free lunch, snacks, and caffeine every day
- Medical, dental, and vision insurance with 100% paid premiums
- A flexible schedule that leaves time for all of your other interests
- A budget for whatever hardware will make you most effective
- Resources to learn about the cutting edge of software engineering and computer vision
Software engineer, distributed systems (full-time)

Responsibilities
- Build, scale and manage state-of-the-art distributed machine learning infrastructure
- Develop and maintain software for dependency graph scheduling and load balancing
- Explore and evaluate new open-source libraries
- Design prototypes and execute experiments to guide engineering efforts

Minimum Requirements
- Bachelors in Computer Science or equivalent
- Experience with Python, Linux, databases
- Experience with containerization (Docker) and container orchestration (Kubernetes)

Preferred Qualifications
- Experience with C, C++, JavaScript and Bash
- Knowledge of distributed system, design patterns and software engineering best practices
- Masters in Computer Science or equivalent.

What we offer in return
- Competitive pay and equity.
- The chance to constantly work on stimulating intellectual challenges.
- Gym membership reimbursement.
- Free, lunch, snacks, and caffeine every day.
- Medical, dental, and vision insurance with 100% paid premiums.
- A flexible schedule that leaves time for all of your other interests.
- A budget for whatever hardware will make you most effective.
- Budget and resources to learn about the cutting edge of software engineering and computer vision.
Software engineer, video processing (full-time)

Responsibilities

● Build, scale and optimize our distributed video ingestion pipeline
● Develop and maintain software for processing high-volume low-latency video streams
● Explore and evaluate new open-source libraries
● Design prototypes and execute experiments to guide engineering efforts

Minimum Requirements

● Bachelors in Computer Science or equivalent
● Experience with Python, C, C++, Linux
● Experience with open source media libraries (FFmpeg/Gstreamer)

Preferred Qualifications

● Experience with JavaScript and Bash
● Experience with real time data pipelining (Kafka)
● Knowledge of common streaming protocol (RTMP/RTSP), video container format (MP4/MPEGTS) and video codecs (H.264/HEVC)
● Masters in Computer Science or equivalent

What we offer in return

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● The chance to constantly work on stimulating intellectual challenges.
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● Medical, dental, and vision insurance with 100% paid premiums.
● A flexible schedule that leaves time for all of your other interests.
● A budget for whatever hardware will make you most effective.
● Budget and resources to learn about the cutting edge of software engineering and computer vision.