



**Staff Research Engineer
(Multimedia Content Classification)
(Dolby Beijing)**

Be part of the exciting future of entertainment and add your talents to those of an amazing team. For more than 40 years, Dolby has led the way in developing innovative entertainment products and technologies used by consumers and professionals worldwide. Innovations from Dolby can be heard in consumer audio and video products, entertainment software, and professional sound applications, including music recording, broadcasting, and sound for motion pictures.

Our company philosophy encourages creativity, collaboration, and the desire to perceive things differently. We offer great benefits, including an assortment of life insurance and health coverage options, and most important of all, the opportunity to be what you want to be!

Position Summary

This position is in the Research Organization of Dolby Laboratories (www.dolby.com) and is located in Beijing, China.

The research engineer position focuses on the analysis and design of multimedia search algorithms, multimedia data structures, and highly scalable multimedia databases. The position includes the whole range of research from the underlying theoretical concepts to the development of prototypes that provide a proof of concept. As a part of an international team, the research engineer will work on ideas exploring new horizons in the content analysis, search, and classification space.

Dolby Laboratories is looking for a self-motivated, highly talented and highly accomplished individual that is interested in applying his/her skills to enhance multimedia video, audio, and speech analysis, processing, and searching technologies for applications in entertainment technologies including web based applications and end user devices such as mobile telephones and portable music players. This position requires advanced knowledge of theory and applications of techniques from theoretical computer science, database search algorithms, and world-class programming skills. The position involves working in cooperation with other technology developers/researchers, but also

includes the opportunity to develop and propose independent ideas for further investigation.

Education, Skills, Abilities, and Experience Required

- Ph.D. Computer Science, additional 3 years of industrial or academic post-doctoral Research and Development experience strongly preferred!
- Demonstrated research success in the application of cutting-edge theoretical computer science skills to data analysis, search, and processing applications
- Ability to create fundamentally new multimedia search, classification, and identification technologies in the form of prototypes and patents
- Solid background in applied mathematics and stochastic
- Profound knowledge of database systems
- Background in fuzzy search algorithms in high dimensional vector spaces
- Experience in numerical modeling of complex systems
- Outstanding programming skills in C/C++ language and Matlab programming
- Strong background in network programming
- Team-oriented work ethic. Interest to work in cross-continental teams.
- Strong personal interest in learning, researching, and creating new multimedia technologies with high commercial impact
- Independent, self-motivated worker requiring minimal supervision
- Fluent in Chinese and English. Excellent communication skills

Strongly Desired

- Experience in multimedia processing
- Experience working in a software development team, including software version control
- Proficient in Web programming and GUI design
- Real-time windows programming
- Real-time audio/video processing
- Willing to travel
- Personal interest in audio and video

Interested individuals are requested to submit both an English and Chinese resume to:

cb@dolby.com

Dolby Laboratories International Services Inc. (Beijing) Ltd.
Rm 906 - 917, Bldg B. Gemdale Plaza,
No.91 Jianguo Rd.
Chaoyang Dist. Beijing 100022, China