

Morris Lee

Greater Tampa Bay Area

E-mail: morris.lee1234@gmail.com

Summary

I am a Computer Vision Consultant who is available to help your R&D!

I have extensive experience in computer vision, artificial intelligence, and related hitech technologies. I am passionate about helping companies leverage the latest advancements to improve their businesses. With a Ph.D. from Harvard University and a track record of innovation resulting in over 66 patents, I have the expertise you need to succeed in today's rapidly evolving technological landscape.

As a technology advisor, I offer a wide range of services to help you take advantage of AI and computer vision including:

- Advising on the use of AI and computer vision in your company
- Providing insight on the latest developments and trends in AI
- Consulting on the potential applications of AI in your company
- Reviewing your business to identify opportunities to incorporate artificial intelligence

With over 37 years of experience in computer vision and a proven track record of success, I am confident that I can help you achieve your goals. Whether you are looking to improve your bottom line, increase efficiency, or gain a competitive edge, I have the insights and expertise you need to succeed.

If you are looking for a technology advisor who can help you stay ahead of the curve and achieve your business objectives, I am here to help.

Some projects I have given advice on include analysis of 3D, dancers, golfing, shoppers, fires, and worker safety.

My resume is in the Featured section below in the file [resume_morris_lee.pdf](#)

Contact me today to learn more about my services and how I can help your company succeed in today's rapidly evolving business environment.

Also, every day I publish on the Web sites below stories with AI news to help those in R&D.

My blog AI News Clips <https://morrislee1234.wixsite.com/website> has computer vision news helpful to those in R&D

My Twitter page is AI News Clips https://twitter.com/morris_phd and has a wider range of AI topics

My Medium blog site is AI News Clips <https://morris-lee.medium.com> has computer vision news

Experience

evers **Computer Vision Researcher (consultant)**

Eyeris

Dec 2022 - Present (1 year 1 month)

In-cabin sensing AI for autonomous and highly automated vehicles.



Computer Vision Researcher (consultant)

Bonsai Technology Company

Sep 2022 - Present (1 year 4 months)

Making jobsites better and more productive with breakthrough technology.



Technology Advisor (consultant)

Golden Thread Technology

Sep 2021 - Present (2 years 4 months)

Lowering athletic injury risks with personalized genetic insights

Founder

AI News Clips: News to help your R&D

Feb 2021 - Present (2 years 11 months)

Providing: (1) Latest artificial intelligence news to help your R&D. <https://morrislee1234.wixsite.com/website> & https://twitter.com/morris_phd (2) Consulting in AI with in-depth expertise in computer vision.

Let's talk!



Principal Researcher

Nielsen

Jun 1991 - Jul 2020 (29 years 2 months)

Investigate and develop innovative technologies in machine learning, computer vision, and signal processing to help Nielsen measure the use of media such as TV, Internet, and radio and measure retail activities such as shoppers and purchases. Am a recognized innovator who has 66 patents and who has multidisciplinary talents in fields such as computer science, physics, electronics, and mathematics.

Made a wide variety of contributions to various Nielsen projects such as face recognition, location technologies for identifying TV viewers and tracking shoppers, and analyzing e-commerce receipts and paper receipts.

Below are some of the fields I have worked in along with their corresponding patent numbers:

Measure people using computer vision

* Face recognition to measure audience: 5550928 5771307

* Detect people using shoulders: 8620088 2786116 9237379

* Image classification by random features: 8351712 8818112

Image recognition

* Detect object by color histogram: 8750613 8953884

* Recognize distorted images: 8897553 9613290

Video recognition by color histograms: 8897554 9158993 9639772

Location of people

- * Using a portable meter: 8650586 9167298 9118962
- * Ultrasonic people location: 7739705 9094710 9794619
- * 3D/2D people count: 9020189 9529451 10049265 10685221

Audio recognition

- * Speech recognition for ad recognition: 10380166
- * Video game audio detection: 9374629

Identify broadcast content

- * Identify content using feature times: 7650616 8065700
- * Audio fingerprint match by correlation: 8108887 8887191 9576197 10009635 10547877 11025966
- * Determine viewing of recorded programs: 8065697 8869187

Threshold adjustment

- * Audio fingerprint threshold depends on noise: 8245249 2717232 9124379
- * Variable AGC threshold: 9332305 9680584

Audio from another room

- * 2 mike sound direction: 9197930 9503783 9912990 10057639 10219034
- * Calculate distance using audio and radio waves: 8824242 9217789
- * Detect audio from other room by reverberation: 9848222 10264301 10694234



Research Assistant, Harvard Robotics Lab

Harvard University

1985 - 1991 (6 years)

In addition to thesis work, was in charge of the Datacube real-time pipeline image processor and taught others how to use it. Interfaced the Datacube with a stereo head and with an industrial robot to perform object tracking. Investigated directional smoothing and the multiresolution Radon transform for edge detection in images. Assisted in the administration of a network of 22 Sun and DEC computers.



Teaching Fellow, undergraduate/graduate robotics course

Harvard University

1986 - 1986 (less than a year)

Designed and conducted student labs and graded homework.



Research Assistant

Rensselaer Polytechnic Institute

1983 - 1984 (1 year)

Performed research on the physics of interstellar molecular clouds.

Education



Harvard University

Ph.D. Applied Mathematics; S.M, Applied Mathematics

1984 - 1991



Rensselaer Polytechnic Institute

M.S. Mathematics; B.S. Mathematics; M.S, Physics

1980 - 1984

Skills

Research Skills • Machine Learning • Computer Vision • Data Analysis • Signal Processing •
Computer Science • Physics • Electronics • Mathematics • Consumer Behaviour