

PROFESSIONAL SUMMARY

Strategic AI leader with over 8 years in scaling video ML systems. I delivered high-impact solutions by driving engagement through advanced computer vision and recommendation algorithms. Proven team leadership experience aligns technical initiatives with organizational objectives, enhancing performance and productivity.

WORK EXPERIENCE

Experience

DIRECTV LOS ANGELES

CA

Principal Data Scientist & Technical Lead

Video Analytics Dec 2021 - Present

- **Directed ML initiatives** enhancing streaming intelligence for 3M+ subscribers with strategic vision.
- **Analyzed user data to boost engagement by 36% through personalized content recommendations.**
- **Automated tagging** cutting manual effort by 85% and boosting content discovery by 40%.
- **Developed models reducing streaming issues by 40%** enhancing retention on key devices.
- **Secured \$2.5M funding by collaborating cross** functionally on next-gen video roadmap initiatives.

EDUCATION

MS in Artificial Intelligence

Johns Hopkins University 2018-2023

- Conducted video understanding research while working, enhancing AI expertise.

MS in Finance

University of Maryland 2012-2014

BS in Finance - University of Nottingham

China Campus 2008-2012

- Achieved First Class Honours with a perfect GPA of 4.0/4.0.

SKILLS

- **Technical:** Developed ML and CV solutions, leveraging DL to enhance recommendation systems' accuracy.
- **Leadership:** Executed strategic plans, leading cross-functional teams to achieve organizational goals.
- **Platforms & Tools:** Engineered solutions with PyTorch, TensorFlow, and optimized deployment on AWS.