



PROFESSIONAL SUMMARY

Dr. Istvan Jonyer is a Ph.D. computer scientist with over 22 years of experience spanning artificial intelligence, networking and telecommunications, cloud infrastructure, and consumer electronics. He has designed 3G wireless systems at Nortel, launched Google TV globally with OEM partners, and founded multiple AI startups. His background includes venture capital investing and extensive technology due diligence in AI, telecom, and cloud platforms.

As a testifying expert witness, Dr. Jonyer has opined in U.S. District Court, ITC, PTAB, arbitration, and state courts on matters involving patent infringement, invalidity, breach of contract, trade secret misappropriation, and copyright infringement. He has been retained in cases against and on behalf of leading technology companies including Google, Apple, Netflix, Roku, Nokia, and Cloudflare.

Dr. Jonyer has served as an expert for both plaintiffs and defendants, with increasing emphasis on defense-side engagements for corporate clients. He has provided deposition and trial testimony, and authored expert reports. He is known for his ability to translate complex technologies into clear, accessible explanations for courts, juries, and counsel.

EDUCATION

Ph.D. in Computer Science and Engineering, dissertation in Artificial Intelligence (4.0 GPA) The University of Texas at Arlington <i>Dissertation: Context-Free Graph Grammar Induction Using the Minimum Description Length Principle</i>	Aug 2003
M.Sc. in Computer Science and Engineering (4.0 GPA) The University of Texas at Arlington <i>Thesis: Graph-Based Hierarchical Conceptual Clustering</i>	May 2000
B.Sc. in Computer Science and Engineering with High Honors The University of Texas at Arlington <i>Honors Thesis: A Dialogue-Based Interactive System [AI Chatbot]</i>	May 1999
MBA, focus on Venture Capital and Entrepreneurship Carnegie Mellon University, Tepper School of Business	May 2010

AREAS OF EXPERTISE

- *Machine Learning, Artificial Intelligence:* Neural networks, deep learning, network analysis, clustering, supervised learning, reinforcement learning, GANs, generative AI, accelerators.
- *Networking and Telecommunications:* Wireless communication, Mobile, Wi-Fi, Bluetooth, 3G, 4G, 5G, Ad-hoc Networks, TCP/IP, Routing, Content delivery, CDN.
- *Smart TV and Streaming:* Google TV, Chromecast, Roku, Android, Android TV.
- *Software Analysis:* Computer Architecture, Cloud computing, Web applications, Internet computing.

AWARDS AND ACHIEVEMENTS

- Google: Google TV Hall of Fame
- Google: Outstanding Leadership

- Google: Operating Committee award
- Google: Peer Award
- Best Paper Award, second place. Florida International Conference for Artificial Intelligence, 2003.
- Best dissertation award: PhD, Computer Science and Engineering, The University of Texas at Arlington

EXPERT WITNESS EXPERIENCE (Selected)

Testifying Experience

- **Trial Testimony**
 - Collision Communications v. Nokia (2024) – U.S. District Court, District of New Hampshire.
- **Depositions**
 - Netflix v. Valjakka (2023, PTAB)
 - Collision Communications v. Nokia (2022)
 - Sleep Number Corporation v. UDP Labs (2022)
 - Mon Cheri Bridals v. Cloudflare (2021)

Defense Engagements

- Cognizant Technology Solutions Romania v. **Snap-On Inc.** DEC 2022 – APR 2023
 - International Court of Arbitration, Case No.: 26526-PDP
 - *Law firm:* O’Neil Cannon
 - *Focus:* Breach of Contract
- Netflix v. **Valjakka** JUNE 2023 – NOV 2023
 - USPTO, PTAB (IPR2022-01568)
 - *Law firm:* Ramey, LLP
 - *Focus:* IPR
 - **Deposition**
- Apple v. **BillJCo** MAR 2022 – NOV 2022
 - USPTO, PTAB (IPR2022-00129, -00131, -00310)
 - *Law firm:* Saul Ewing Arnstein & Lehr
 - *Focus:* IPR (Bluetooth communications)
- Martinsek v. **Dave, Inc.** SEP 2022 – NOV 2022
 - Los Angeles County Superior Court, Case No.: 19STCV42195
 - *Law firm:* Kilpatrick Townsend & Stockton
 - *Focus:* Breach of Contract
- Lickerish, et al., v. **PicClick** MAR 2022
 - United States District Court, Southern District of California, Case No.: 21-cv-01303-TWR-JLB
 - *Law firm:* Procopio
 - *Focus:* Contributory copyright infringement (DMCA)
- Tri Star Sports and Entertainment Group v. Weezlabs SEP 2019 – DEC 2019
 - Superior Court of The State of California, County of Los Angeles, Case No.: SC129703
 - *Client:* **Hiscox USA** (insurer for defendant, Weezlabs)
 - *Focus:* Breach of Contract

Plaintiff Engagements

- **Collision Communications v. Nokia** MAY 2022 – FEB 2024
 - U.S. District Court, District of New Hampshire, *Case No.:* 1:20-cv-00949
 - *Law firm:* Ropes and Gray
 - *Focus:* Breach of contract
 - **Trial testimony, Deposition**
- **Sleep Number Corp. v. UDP Labs** JUN 2021 – DEC 2022
 - U.S. District Court, District of Minnesota, *Case No.:* 20-cv-1507 (NEB/ECW)
 - *Law firm:* Fox Rothschild
 - *Focus:* Breach of contract (Smart bed technology)
 - **Deposed**
- **Uzair, et al. v. Google** AUG 2020 – APR 2021
 - Superior Court of The State of California, County of Santa Clara, *Case No.:* 1-18-CV-328915 (class action)
 - *Law firm:* Goldstein, Borgen, Dardarian & Ho
 - *Focus:* Terms of Use disclosures
- **Universal Electronics v. Roku** Mar 2019 – OCT 2020
 - U.S. District Court, Central District of California, *Case No.:* 8:18-cv-01580; and ITC investigation No. 337-TA-1200
 - *Law firm:* Alston & Bird
 - *Focus:* Patent infringement (Smart TV)
- **Mon Cheri Bridals v. Cloudflare** MAY 2020 – APR 2021
 - U.S. District Court, Northern District of California, *Case No.:* 19-cv-01356-VC
 - *Law firm:* Goldstein, Stark & Stark
 - *Focus:* Contributory copyright infringement (DMCA)
 - **Deposed**
- **Unified Patents v. Investel Capital** MAR 2020 – AUG 2020
 - USPTO, PTAB. (IPR2020-00781)
 - *Law firm:* Stoel Rives
 - *Focus:* User-generated content sharing

PROFESSIONAL EXPERIENCE

EXPERT WITNESS AND TECHNOLOGY STRATEGY CONSULTING, SIDESPIN GROUP LLC

SAN FRANCISCO, CA; LOS ANGELES, CA

SEP 2013 – MAR 2015; JAN 2019 – PRESENT

Litigation and technology strategy consulting. Focus on IP infringement, validity, IPR, and breach of contract cases.

- **Expert Witness**
 - *See above section for details of all expert witness consulting cases.*
 - **Pre-Litigation Consulting**
 - For **FedEx**, patent invalidity research. *Law firm:* Fish Richardson.
 - **Patent portfolio evaluation**
 - Distributed systems and virtualization technology assessment against a multi-national video streaming provider to evaluate a family of patents against their product portfolio, especially in the areas of caching, CDN, software testing, and cybersecurity.
- **Technology Strategy, Due Diligence, Investment Advisory**

- **Berkshire Hathaway HomeServices** – Technology Due Diligence (ended 2/2020): Berkshire Hathaway HomeServices was interested in verifying their technology roadmap and evaluating potential technology acquisitions to complement their existing technology stack.
- **Broadcom (Avago Technologies)** – Large-scale patent portfolio evaluation and assertability assessment (ended 7/2020): Led a team of four experts in evaluating a 2,000-patent portfolio of cybersecurity patents. Methodology includes in-house algorithmic metadata analysis and manual expert review of specific patents.
- **WordPress (Automattic, Inc.)** – Acquisition Due diligence (ended 3/2021): Technical due diligence of acquisition target in the web and mobile content analytics space. Review of open-source exposure, machine learning, NLP, data science, and back-end data pipeline.
- **PwC Australia** – Technical process evaluation (ended 7/2021): Engaged to evaluate the research and development process of a smart digital signage company in connection with a government review process.
- **Omni Bridgeway** – Investment Due Diligence (ended 3/2021): Consultant to Omni Bridgeway litigation finance on Neural Magic v. Facebook – Machine Learning trade secret misappropriation by Facebook of Deep Learning neural network algorithms.
- **Astrea Technology Acquisition** – SPAC merger due diligence (ended 7/2021): Engaged to evaluate the technology stacks of two SPAC merger candidates for ease of integration and full technology stack review.
- **Expeditors, Inc.** – Acquisition Due Diligence (ended 4/2020): Technology due diligence and evaluation of acquisition target in the logistics technology space. Audit of full software stack, open-source exposure, team, and software engineering practices.
- **Prep Expert, Inc.** – Investment Due Diligence (ended 4/2021): Machine learning, software architecture, and open-source library review in support of investment decision.
- **LifeAdapt**: Developed commercialization plan for an academic research program in machine learning for healthcare.
- **Rescale**: Opened up the animation and rendering space with partners like *Pixar*, *NVIDIA*, *Autodesk* and *Adobe*.
- **NimbleVR**: Technology commercialization strategy to the struggling hand-gesture recognition startup. Recommended pivot to a camera-based immersive VR controller. The company was acquired by *Oculus (Facebook)* 4 months later.
- **Near-Me**: Product strategy and engineering restructuring.
- **MediaMark**: Provided strategic direction to the media analytics startup. Recommended pivoting from passive theater-goer measurement to reward-based engagement, resulting in a well-defined product, and commitments from major studios.
- **Pro Bono Mentoring**
 - Advising startups at ex-Google network, Stanford Venture Studio, and other early-stage startups. Invited speaker at various startup accelerators, Stanford, and Carnegie Mellon University.
 - Advising Stanford's Office of Technology Licensing (OTL) and their student teams on identifying marketable patent portfolios and creating supporting marketing materials.

ACADEMIC EXPERIENCE

ASSISTANT PROFESSOR OF COMPUTER SCIENCE, OKLAHOMA STATE UNIVERSITY SEP 2003 – SEP 2008

Published thought leader with research focusing on various machine learning approaches, including graph mining, genetic programming, and neural networks.

- **Awards:** Best Paper Award, second place, Florida International Conference for Artificial Intelligence, 2003.
- **Research focus:** Machine learning (Graph-based Data Mining, Social Network Analysis, Genetic Programming).
- **Parallel computing:** Created a POSIX-thread implementation for Windows, which would make ANSI-standard multi-threaded C/C++ code source-code compatible with Windows.

- **Founded** the OSU Supercomputing Center, the largest such facility at *OSU*, supporting research in multiple departments.
- **Published** and presented at over 20 international conferences and workshops.
- **Funding** by the National Science Foundation.
- **Taught** 9 courses, both graduate and undergrad (e.g., Artificial Intelligence, Theoretical foundations, Advanced algorithms)

OPERATING EXPERIENCE

GOOGLE TV GLOBAL HEAD OF DEVICE PARTNERSHIPS

AUG 2010 – FEB 2012

GOOGLE, MOUNTAIN VIEW, CA

Chromecast's predecessor, Google TV was an Android-based Smart TV platform launched in multiple form factors, including TV sets, Blue-Ray players, and companion boxes, with device OEMs including Sony, LG and Vizio.

- **Awards:** Google TV Hall of Fame, Outstanding Leadership (by VP), Operating Committee award (team), Peer Award.
- **Partnerships:** Developed high-level product strategy with launch partner leadership at the CEO, GM, VP and division head level. Drove and executed partnership strategy with Sony, LG, Intel, Marvell, MediaTek and others to shape the next generation TV experience and ecosystems.
- **Cross-functional leadership:** Led team of technical account managers, software engineers and technical writers in Mountain View and Seoul, South Korea through two successful product launches with OEM partners *Sony, Logitech, Vizio* and *LG*.
- **Scaling Vertical:** Architected a scalable, light-touch device launch process, from partner on-boarding through technical execution and final launch, enabling 10+ SOC and OEM partners to launch devices largely independently from Google, supported by only 3 technical account managers. (Resulted in Outstanding Leadership award.)
- **Product leadership:** Owned the Google TV requirements document and ensured that our partners complied with our product vision. Owned the remote-control definition and approval, which was the main interactive UX component.
- **Leadership:** Recognized and resolved major legal faux pas with GTV's state of 3rd party software licensing that left Google exposed to major liability. Led negotiations to resolve gaps in licensing, resulting in the *Google TV Hall of Fame* award, and being a sought-after expert within Google for structuring external software licensing agreements.
- **Team building:** Grew team from 2 to 10 reports across Mountain View and Seoul, S. Korea.

CO-FOUNDER AND COO

AUG 2021 – PRESENT

LIFE ADAPT, LOS ANGELES, CA

NIH-funded early-stage machine learning startup in the health technology space. Part time.

- In charge of commercialization of machine learning research.
- Product management, engineering management, go-to-market strategy, fundraising.
- Leading recruiting, hiring, and operations.

FOUNDER, CTO

FEB 2012 – SEP 2013

FANTASY BRAIN, SAN FRANCISCO, CA

Big data analytics startup in the fantasy sports space.

- **Positioning:** Developed positioning as the 'Fantasy IQ vendor', to emphasize the value to potential acquirers as complementary to their existing audience, leading to acquisition interest from *Yahoo* and *CBS*, and partnership with the *NFL*.
- **Technical Leadership:** Led technical execution with a team of 2 local and 5 offshore engineers and designers to ship the product 6 weeks prior to hard launch deadline (start of football season), through a 4-month idea-to-launch engineering effort.

FOUNDER AND CEO

2007 – 2008

KDRESEARCH, TULSA, OK

Stock option search engine with the widest array of search options in the industry at a significantly lower price than the market leader.

- Identified opportunity, created and prioritized feature set, and fully implemented the back-end architecture.
- Developed and closed partnership with the *Snider Financial Network* to provide options data to their customers.

ENGINEERING EXPERIENCE

SOFTWARE ENGINEER

JUN 2000 – JUN 2003

NORTEL NETWORKS, RICHARDSON, TX

A multinational telecommunications equipment manufacturer with \$40bn in revenues in 2000.

- **Designed** key features of the *Sprint Vision* 1st generation 3G mobile Internet packet data switching node (PDSN).
- **Implemented** the Open Radio Protocol (Open-RP) for the *Shasta Networks* PDSN (C and VxWorks).
- **Identified** and implemented performance optimizations that resulted in a 20% increase in transmission speed.

FOUNDER, CTO

FEB 2012 – SEP 2013

FANTASY BRAIN, SAN FRANCISCO, CA

Big data analytics startup in the fantasy sports space.

- **Algorithms:** Invented and implemented the Fantasy IQ big-data algorithms.
- **Technical Leadership:** Led technical execution with a team of 2 local and 5 offshore engineers and designers to ship the product 6 weeks prior to hard launch deadline (start of football season), through a 4-month idea-to-launch engineering effort.
- **Engineering:** Architected and wrote most the code base (Ruby on Rails, Postgres, Solr, Heroku, AWS, etc.).

FOUNDER AND CEO

KDRESEARCH, TULSA, OK

2007 – 2008

Stock option search engine with the widest array of search options in the industry at a significantly lower price than the market leader.

- **Developed** and closed partnership with the *Snider Financial Network* to provide options data to their customers.

VENTURE CAPITAL EXPERIENCE

MANAGING DIRECTOR

MAR 2019 – PRESENT

SIDESPIN VENTURES, LOS ANGELES, CA

Venture capital investor into early-stage technology companies.

- **Deal sourcing, due diligence, fundraising:** Angel investor and GP of venture capital syndicate.

PRINCIPAL

MAR 2015 – NOV 2018

NEXSTAR PARTNERS, SAN FRANCISCO, CA

\$100M early growth venture capital fund.

- **Area expert** in Machine Learning and other subfields of AI, such as Deep Learning, Neural Networks, Autonomous Technologies (including sensing technologies, like LIDAR, radar, etc.), as well as Smart TV, Media Delivery, Augmented Reality, Virtual Reality, Telecommunications and Wireless Infrastructure technologies.

- **Focus:** Patentable technology differentiation (fund's LP was major patent licensing entity, with frequent dialogue around patent portfolios and reviews)

SENIOR ASSOCIATE

SEP 2008 – AUG 2010

PITTSBURGH EQUITY PARTNERS, PITTSBURGH, PA

Early-stage venture capital firm.

- **Due Diligence:** Technical deep dives on over 30 companies. Developed the firm's investment scorecard, promoting a disciplined deal evaluation framework.
- **Sourcing:** Successfully generated deal flow by developing relationships with the *CMU Entertainment Technology Center* and *Center for Entrepreneurship*, *Adams Capital*, *Draper Triangle Ventures*, *BlueTree Angels* and others.

SUMMER ASSOCIATE

SUMMER, 2009

NEW VENTURE PARTNERS, MURRAY HILL, NJ

Global, early-stage venture capital firm with \$750M AUM, specializing in corporate spinouts.

- **Technical diligence:** Opportunities with NEC Research (machine learning), OKI Data (video conferencing), NXP Software (interactive ad-tech).
- **Patent Portfolio Valuation:** Analyzed the impact of intellectual property on the success of early-stage investments based on self-collected data, to help focus subsequent due diligence efforts and appropriately value patents as part of deal flow.
- **Portfolio support:** Semiconductor manufacturer, EverSpin (spin out from Freescale Semiconductor), needed updated financial projections based on numbers deeply rooted in their manufacturing operations.
- **Market Research:** Mapped the competitive landscape and future direction of the Videoconferencing industry by comprehensive primary and secondary research, correctly identifying rising stars and technology trends.
- **Sourcing:** Generated deal flow from academia (CMU, OSU, UTA, NYU, WSU), research labs (Xerox PARC, NEC, IBM Watson, Sandia NL) and tech giants via my MBA, engineering, scientific and VC networks.
- **Positioning:** Created new business strategy for *PowerCloud Systems*, pivoting the company's cloud-based router configuration technology to the SMB space, resulting in a \$3.2M round of financing, saving the company from bankruptcy. The company was eventually acquired by Comcast.