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Overview

Sekuen is a boutique AI agency with main focuses:

1. AI consulting - end to end delivery of tech services/products
 - 1.1. 30+ AI products in 20+ industries running 100M+ times daily worldwide
 - 1.2. Can add AR, VR, Robotics, Automations, Gaming, Holograms, Blockchain, Quantum computing, Cybersecurity, physical mounting teams (GCC countries), through a large network of contractors
2. Biotech, healthcare, pharma AI R&D
 - 2.1. Unique mix of PhDs in science (Chem, bio, etc) and PhDs in computer science and AI
 - 2.2. 7+ in silico products reducing \$Ms of lab and time waste
3. AI staffing - including fully remote managed teams
4. AI workshops
 - 4.1. Sharing hands on experience with customers teams
 - 4.2. PhD level mentors

5. AI product market fit and go to market strategy. Sekuen has sold over 20 innovations in the global markets
 - 5.1. Sekuen B2C video campaigns
 - 5.2. Sekuen B2B appointment setting

Products list

#	Year	Product	Customer location	demo
1	2014	Notification solution for parents when school bus arrive to pick up or deliver kids from school	Qatar	
2	2015	Machine learning solution for automated trading	Italy, USA	https://drive.google.com/file/d/1T-CGb3h61vNUGmhJ70cZUgearFHiB-3Q/view?usp=sharing
3	2018	Text processing solution for market new analysis	Italy, USA	Available
4	2020	Matriculation plate info extractor from images	UAE	https://youtu.be/Js9ecwMAcJE?si=hkRg9rBqE0YmpE4R
5	2020	Object distance from drones (Identity + location)	UAE	Available
6	2022	Recommender system for ads, sold to publishers	USA	Available
7	2022	Text classification into 700+ classes	USA	Available
8	2022	Smoke and fire detector Voice detection/signature Bullying detection	KSA	https://www.youtube.com/watch?v=a8KaNttuxDM
9	2022	Conversation with tabular data. Capable of picking items from a database from speech	Internal research	https://youtu.be/KSIdG4ypIH4?si=YgexhgivLaUXJbvJ
10	2022	Clothes identification, can classify tshirts, polo, suits, trousers etc	Internal research	Available
11	2023	Finding similar images, input image and find similar product images in the database	Internal research	Available
12	2023	Video classification into 700+ classes	USA	Available
13	2024	Virtual tryon, given picture of human + garment, return image of the human in the new garment	Brazil	https://docs.google.com/spreadsheets/d/1iAsGvRuwxZ-6magxsuvuY0QL5vueZzuQxCy1S-kM-B4/edit?gid=0#gid=0

14	2025	AI driven video marketing and general video generation from text	UAE	https://drive.google.com/file/d/1dd0Y3ueE_hAmCIHSheQ6js4pdp3dHV/DZ/view?usp=sharing
15	2025	AI agents for robotic formulation lab	USA	Available
16	2025	Prediction of binding sites of drug candidates on specific proteins	Internal research	Available
17	2025	Conversational AI chatBOT for customer inquiries	Internal research	Available
18	2025	Answering questions from a list of pdf documents in German (Building regulations)	Germany	Available
19	2025	Music generation from prompt for ambiance or sales music	Internal research	https://drive.google.com/drive/folders/1INnbBgfJSFyg1l61WT1UpO02hPbc3Dgd?usp=sharing
19	2025	Hospitality mass feedback analysis and correlation with unit rating on Booking.com Living units images analysis and recomms for improving quality Assigning roles to teams and follow up Comparison of listing informations on Bookings and similar services for glitches and mismatches	Cyprus/Greece	Available
20	2026	Voice cloning - given an image and sample voice, we make the image speak	Internal research	https://drive.google.com/file/d/1WuSsJTV5CB6lxV9rdmLVY9DLjr6bTyD_/view?usp=sharing

Biopharma and health AI

#	Year	Product	Customer location	demo
1	2006	Studying the mechanism of water splitting in plants photosynthesis	Germany	Public
2	2007	Revealing the structure of Enolase inhibitor from spectroscopic deduction	Germany	Public
3	2022	Drug recommendation based on patients health input	Internal	https://www.youtube.com/watch?v=dlwE7d_b3ew
4	2023	Prediction of binding sites of drug candidates on specific proteins	USA	Available
5	2024	New drug compliance automation, agentic	UK	Available

		updates of new criteria and upgrade recomms		
6	2025	AI agents for robotic formulation lab	USA	Available
7	2025	Prediction of solubility of specific molecules in specific solvents	USA	Available

Featured products

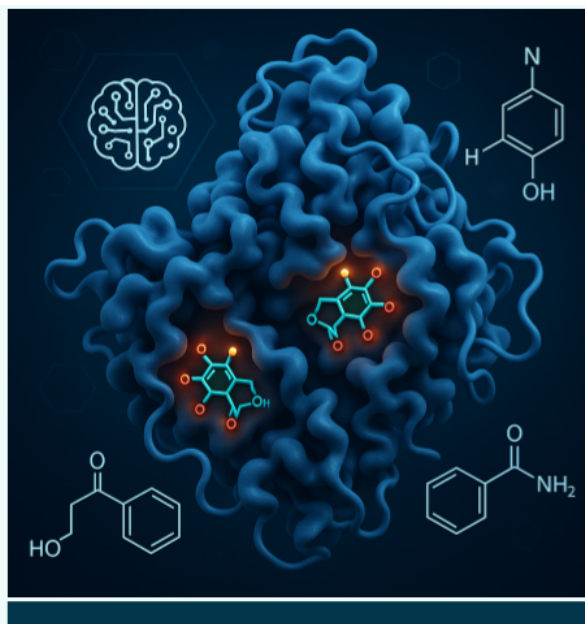
Biotech AI

Right now building agentic AI to replace a 2 months procedure done by a 30 years veteran. One of our clients is working on the robotization of formulation with the use of AI. Our team is reducing the product research time from 2 months to a couple of seconds. The product is very advanced and near delivery.

Drug Binding Site Prediction

Constructed a predictive model to identify drug candidate binding sites on proteins, supporting pharmaceutical research and accelerating drug discovery with advanced AI-driven insights.

- Clients need accurate, automated tools to pinpoint where drug molecules are likely to bind on target proteins, expediting therapeutic development and reducing experimental costs.
- Sekuen's solution leverages state-of-the-art machine learning and deep learning techniques, integrating sequence and structural data to predict binding sites with high precision—enabling more efficient virtual screening and target validation.
- This technology enhances early-stage drug discovery, increases the reliability of computational predictions, and helps researchers focus resources on the most promising drug candidates.



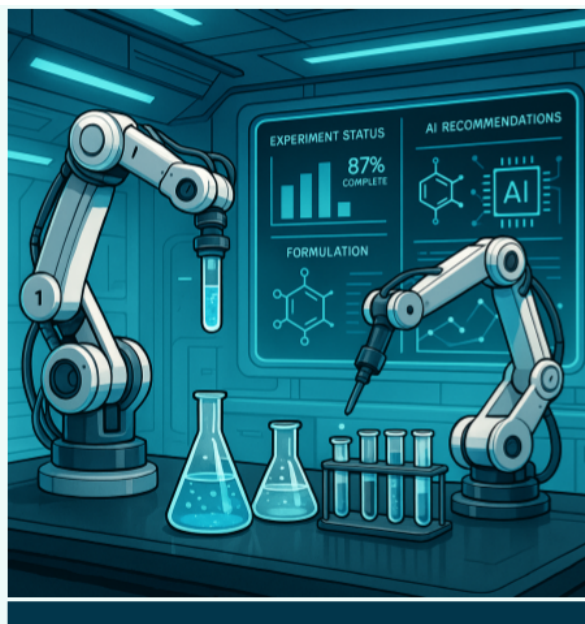
(Pharmaceuticals, healthcare and Scientific R&D)

6

Robotic Formulation Lab Agents

Developed AI agents for robotic laboratories that automate experimental formulation, accelerating research and development processes in scientific and industrial environments.

- Clients seek to boost R&D productivity and reduce manual labor by automating complex experimental workflows in formulation labs.
- Sekuen's solution integrates AI-driven decision-making with robotic systems, enabling autonomous experiment design, execution, and data analysis.
- This innovation speeds up discovery cycles, enhances reproducibility, and allows scientists to focus on high-level problem-solving.



(Scientific R&D and Pharmaceuticals)

7

Customers feedback



BioTech

 Software development for virtual cloud lab



Christopher Shelner left feedback 7:34 PM

5.0 / 5

"Samir and his team at Sekuen have been doing an incredible job deploying a set of complex software tools that we plan to utilize internally as well as externally as an application. He has worked effectively with our global software development operations to understand requirements and manage progress on multiple fronts. Samir has also helped us with a variety of market research and data consolidation projects that provided insight into our business strategy."

[View Details](#)



Daniela Deflorio  · 1st

Backing Digital Health Tech Founders to Win in Pharma | Automating Compliance for Clinical Trials & RWE | Advisor, Mentor & Panelist at Leading Accelerators

March 15, 2025, Daniela was Samir's client

 All LinkedIn members

On 

Since I met Samir some months ago, I've been impressed by his in depth experience and thought AI knowledge. Having Samir as deep tech advisor on my startup journey, ha enriched my journey. Samir's support and honest feedback on the project I'm building, has made me feel confident in my steps on the digit product development. This is certainly a long term collaboration and we'll continue to explore together new areas of drug development where we can apply AI to improve processes. Brainstorming with someone so knowledgeable is a great way of building a new product!



Karthik Raman, PhD · 1st

CEO @ Persist, Ultra Fast Drug Formulation | YC W23

November 18, 2024, Karthik was Samir's client

 All LinkedIn members

On 

Samir and his team at Sekuen were great to work with. We hired them to search the FDA's broad set of databases and literature to find us key information. His team quickly figured out a plan, give us frequent updates and delivered high quality results.

AI Staffing and recruitment



Angelika Eksteen · 1st

Director at AIDirections

December 20, 2023, Angelika was Samir's client

 All LinkedIn members

On 

In the past, Samir recommended very valuable people to join AIDirections as senior, well-talented AI developers. Since inception, it was a pleasure to work with them, and we can only thank Mr. Samir many, many times for his very suitable recommendations. We are looking forward to collaborating more with Mr. Samir in future, it is great to work with him.

AI workshops



Khalid Alsulami · 1st

FinTech | SME Banking | Investment Attraction | BD

November 20, 2024, Khalid was Samir's client

 All LinkedIn members

On 



We invited Dr. Samir in Riyadh to deliver a workshop on the usage of AI in drug discovery and health sector. Dr. Samir delivered a two days workshop introducing pharma practitioners to the powers of modern AI algorithms. In particular i still remember the parallel Dr. Samir drew between the Netflix recommender system and a possible drug discovery algorithm. Given his background in computational chemistry, Dr. Samir could easily navigate both fields and deliver an easy access introduction.

AdTech



Hersh Patel  · 1st

Founder & CEO @ Hindsight | Forbes 30Under30

December 15, 2023, Hersh managed Samir directly

 All LinkedIn members

On 

At Hindsight, Samir has been my AI consultant, recruiter, and solution developer for the last 2 years and still counting. Samir consistently impressed me with his:

1. Deep understanding of AI technologies and their applications: Samir was able to translate complex concepts into actionable strategies that helped Hindsight achieve its AI goals.
2. Exceptional ability to identify and recruit top AI talent: Samir quickly understood our specific needs and recruited highly skilled and qualified candidates who fit Hindsight's organizational culture.
3. Proven track record of delivering high-quality AI solutions: Samir successfully developed recommender systems and classifiers that met all our functional and technical requirements, delivering it on time and within budget for text and image processing. His algorithms easily scaled to millions of inputs, from 10x to 100x loads while increasing the accuracy to up to 3x.
4. Strong communication and collaboration skills: Samir kept us informed throughout the entire process and was always available to answer questions and address concerns.
5. Professionalism and dedication to client success: I have no doubt in Samir's ability to deliver end to end AI solutions to businesses and enterprises. I am happy to see him expanding his services regionally.

Team

05

Our Team



Samir EL ZEIN
PhD from Lyon, France | 20 years of experience
| 20 published papers | 4x founder with 2 exits



Backend



Frontend



AI Integration



Product design



Sales & Marketing



Sekuen



www.sekuen.com



sales@sekuen.com

Complete team ready to deliver end to end products or integrate other teams as ad-doc, especially for data science

1. Data science
2. Front end
3. Back end
4. Design
5. Integration
6. Database
7. (Expandable with VR and blockchain)



Kaushik Biswal · 1st
Intern @Sekuen | Former ASE
Intern @Accenture | Data...

Hemant Sharma, Nasar Ali Zadi, and 4 other mutual connections

Message



Atiya Sarmin, P... · 1st
AI HealthTech solutions |
Accelerating drug discovery...

Nathan Brown FRSB FRSC, Tony Pagliocco, and 3 other mutual connections

Message



Samir EL ZEIN, ... · You
ML/AI in automations, biotech,
healthcare, pharma,...

14K followers



Onur Kara · 1st
Quantum Computing. Founder.
Mentor.

2K followers · Nico De Keyser, Jeffrey Goldsmith, and 80 other mutual connections

Message



Melody Villa · 1st
Executive Partner | Virtual
Assistant | I help Clients...

6K followers

Message



Farah Hallak · 1st
Business Development

Prosenjit Roy, Christian Hoffmann, and 51 other mutual connections

Message



Nasar Ali Zadi · 1st
Data Scientist @ Hindsight
Technology Solutions

Pedro Ignacio Guridi, Hersh Patel, and 16 other mutual connections

Message



Shankar Moha... · 1st
Field CTO ★ Tech Entrepreneur
★ Managing Partner ★...

Provides services - IT Consulting,
Web Development, Mobile
Application Development, Custom...

Message



Clark Alexander · 1st
Mathematics, Renewables,
Soccer, Quantum Tech, AI,...

5K followers · Dr. José Ignacio Latorre, Daniel Mahler, and 50 other mutual connections

Message



Komal Penmatsa · 1st
Data Science & Machine
Learning | Final-Year AI Studen...

Nasar Ali Zadi, Sam Tholath Robin, and 2 other mutual connections

Message



Abdelrahman ... · 1st
AI Engineer | Natural Language
Processing | Data Scientist |...

Daniela Deflorio, Sumit Ranjan, and 27 other mutual connections

Message



Mohamad Hadl... · 1st
Assistant Professor of Medicine
@ Mayo Clinic | PhD in...

Lorenzo Uccellini, PhD, Noor Shaker, and 52 other mutual connections

Message



Sagar Purswani · 1st
-- Data Scientist

Walid Sassia, Farah Jaroudi-PHR, and 11 other mutual connections

Message



Abdul Razik · 1st
Senior Accountant | Remote
Accounting Services | Financia...

Provides services - Accounting,
Bookkeeping, Financial Accounting,
Tax Preparation, Small Business Ta...

Message

<https://www.linkedin.com/company/sekuen/people/?viewAsMember=true>

Team feedback



Maram Aljayyousi · 1st

Computer Engineering Graduate

November 23, 2024, Maram reported directly to Samir

 All LinkedIn members

On 

I had the privilege of working under Dr. Samir's mentorship during my internship at HindSight. His leadership and guidance were instrumental in enhancing my skills in data science and software development. Dr. Samir creates an environment that encourages learning, innovation, and collaboration while consistently aligning projects with clear business objectives and customer needs. His ability to coordinate seamlessly with other teams and guide projects toward success makes him an invaluable leader.



Zhiyang Li · 1st

M.S. Data Science at NYU

December 20, 2022, Zhiyang reported directly to Samir

 All LinkedIn members

On 

Samir is an outstanding leader with a deep understanding of the technical aspects of machine learning models, which allows for innovative and productive discussions, and I always come away from our interactions with new insights. In addition to his technical expertise, Samir is a supportive and enthusiastic manager who trusts and empowers his team to succeed, especially in the face of challenges. It has been a pleasure and a privilege to work with Samir.



Harshada Sinha · 1st

Senior Software Engineer @SamsClub | AWS certified cloud practitioner | MS CE @NYU

October 6, 2022, Harshada reported directly to Samir

 All LinkedIn members

On 

I feel privileged to work with Dr. Samir as my supervisor during my internship at Hindsight this summer. He is one of those people who has in-depth knowledge of the field. He is a people's person, a good hearted soul, a brilliant leader and a great mentor. He is full of enthusiasm and very proactive. His approach to decipher complex problems and provide simple and intuitive solutions is really remarkable. I had a great experience working with him and learnt a lot from him.

Sekuen Chief Innovation Officer (CIO), Samir EL ZEIN

Possibly your main contact

Year	Fact
2005	PhD in computational chemistry from France Scholarship from the French ministry of education
2007	Postdoc from Max-Plank-Institute Germany Alexander von Humboldt fellow, lifetime network
2012	Left Academia 20 published papers, cited 2,000 time

	https://scholar.google.com/citations?user=CPaURm4AAAAJ&hl=en
2015	CPO and co-founder Selling ML/AI solutions to capital markets
2017	Acceleration in Silicon Valley VC funding (3x Yes) Angel investment (4) Managing a team of 60
2020	GCC defence ministry consulting
2022	Head of data science at Hindsight
2024	CIO at Sekuen

Team scholar research

Structure of the oxygen-evolving complex of photosystem II: information on the S 2 state through quantum chemical calculation of its magnetic properties

Authors Dimitrios A Pantazis, Maylis Orio, Taras Petrenko, [Samir Zein](#), Wolfgang Lubitz, Johannes Messinger, Frank Neese

Publication date 2009

Journal Physical Chemistry Chemical Physics

Volume 11

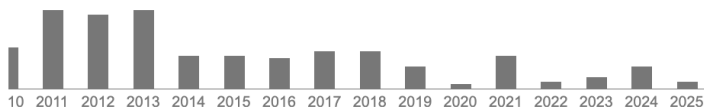
Issue 31

Pages 6788-6798

Publisher Royal Society of Chemistry

Description Twelve structural models for the S2 state of the oxygen-evolving complex (OEC) of photosystem II are evaluated in terms of their magnetic properties. The set includes ten models based on the 'fused twist' core topology derived by polarized EXAFS spectra and two related models proposed in recent mechanistic investigations. Optimized geometries and spin population analyses suggest that Mn(III), which is most often identified with the manganese ion at site D, is always associated with a penta-coordinate environment, unless a chloride is directly ligated to the metal. Exchange coupling constants were determined by broken-symmetry density functional theory calculations and the complete spectrum of magnetic sublevels was obtained by direct diagonalization of the Heisenberg Hamiltonian. Seven models display a doublet ground state and are considered spectroscopic models for the ground state corresponding to ...

Total citations [Cited by 151](#)



Year	Citations
2010	10
2011	15
2012	15
2013	15
2014	10
2015	10
2016	10
2017	10
2018	10
2019	10
2020	5
2021	10
2022	5
2023	5
2024	10
2025	5

Team certificates

1. AWS Certified Solutions Architect – Associate
2. AWS Certified Security – Specialty

3. AWS Certified Solutions Architect – Professional
4. Microsoft Azure Data Scientist Associate (DP-100) Professional Certificate
5. Stanford Machine Learning Specialization
6. Google Advanced Data Analytics Professional Certificate
7. Google Professional Business Intelligence Certificate
8. [DeepLearning.AI](#) Generative AI with Large Language Models Certificate
9. Complete Guide to Elasticsearch Certificate from Udemy
10. AWS Certified AI Practitioner
11. CompTIA Security+

Biotech, Pharma, Healthcare

Our unfair advantage is that we're biochemists who code AI hands on, with strong portfolio and international referrals, and managed to cut our prices to match 1/4th of classical AI agencies, with higher quality or money back guarantee.

Related content

Sekuen solutions in healthcare

https://drive.google.com/file/d/1mlvmDp4SUxxRlqilDw9Qilm_W3v3m7OW/view?usp=sharing

Sekuen B2C video campaigns

https://docs.google.com/document/d/1A_YlgM2MrSfOg_PfDT1nF0kAMnYEt1UsfrTr5ChP54c/edit?tab=t.0

Sekuen B2B appointment setting

https://docs.google.com/presentation/d/14xS_xZ9l7FnsQHPbVOqde-Hc1OnsXdX7mIUzZI_na7E/edit?slide=id.p#slide=id.p

30+ use cases in 20+ industries running 100M+ times daily

<https://drive.google.com/file/d/1amXkxilwrrD93zfJp0zw0FHvgbT5DMFA/view?usp=sharing>

Full list of publications

https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=CPaURm4AAAAJ

External links

Upwork

<https://www.upwork.com/agencies/1900111389114691020/>

Linkedin

<https://www.linkedin.com/company/sekuen/about/>

Youtube

<https://www.youtube.com/@SekuenDubai>

Tiktok

<https://www.tiktok.com/@sekuenai?lang=ar>

Instagram

<https://www.instagram.com/sekuenai?igsh=MTI4bXZ6dHpyd2Y1cQ==>

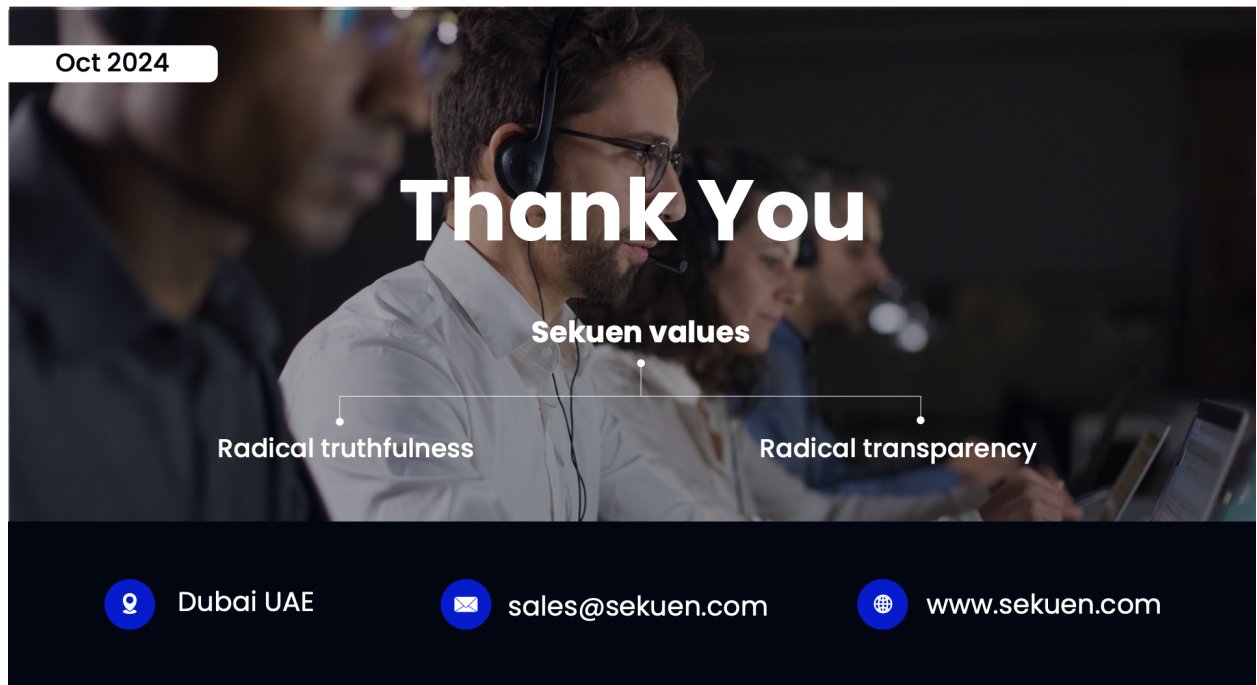
Full live referrals

<https://www.linkedin.com/in/samirzein/details/recommendations/?detailScreenTabIndex=0>

Leaders public appearance

1. <https://www.lecommercedulevant.com/article/28412-samir-el-zein-investir-en-bourse-grace-a-lintelligence-artificielle>
2. <https://www.bau.edu.lb/Business-Administration-Tripoli/Event/Seminar-about-Stock-Market-Trading>
3. <https://berytech.org/events/berytch-meetups-powered-by-gist-april-edition/>
4. <https://www.youtube.com/watch?app=desktop&v=NqNJ30svJak&t=737s>
5. <https://theorg.com/org/hindsight/org-chart/samir-el-zein>
6. <https://www.facebook.com/tripolieclub/photos/samir-el-zein-will-be-speaking-at-tripoli-startup-forum-2018-on-the-panel-invest/820536801469121/>
7. https://auburn.edu/cosam/faculty/chemistry/ortiz/research/people_elzein.html
8. <https://x.com/nntaleb/status/1155823345193107456>

Contact us



Oct 2024

Thank You

Sekuen values

- Radical truthfulness
- Radical transparency

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