

ROYI ROZEN

New York City, NY | +1 347-880-0435 | rr789@cornell.edu | US Citizen

[LinkedIn](#) | [Portfolio](#) | [Company](#)

Analytical and detail-oriented researcher with experience leveraging data analysis, visualization, and predictive analytics to deliver actionable insights through innovative technology solutions in healthcare and XR contexts. Proven record of collaborating cross-functionally, ensuring compliance, and enhancing decision-making through structured, validated data solutions.

Relevant Skills: Data Analysis | Data Visualization | Predictive Analytics | SQL | Excel | Python | HIPAA Compliance | Project Management | Cross-functional Collaboration

EDUCATION

Cornell Tech (Cornell University)

Aug 2024 - May 2026

Dual M.S. in Computer & Information Science (Cornell) & Applied Information Science (Technion), Connective Media concentration

William & Barbara Dahl Master's Fellowship for significant academic accomplishment

Relevant Coursework: Machine Learning, Computer Vision, HCI & Design, Psychological & Social Aspects of Technology

Tel Aviv University

Oct 2018 - May 2023

MFA & BA in Digital Media (Cum Laude, GPA: 3.87)

Specialization: 3D Engines & HCI Design

TECH STACK

Programming:

Python, SQL, Excel, JavaScript, C#, HTML, Jira, ArcGIS

AI, Visualization & Design:

Figma, Adobe Suite, Unity, Unreal Engine, Blender, WebXR

EXPERIENCE

AIRLab | XR & AI Researcher (Cornell Tech)

Dec 2024 – Present

- Engineered and executed workflows to analyze, validate, and optimize structured healthcare data from medical procedure documents, utilizing OCR and machine learning models (LLMs) to ensure accuracy, reduce errors, and improve effectiveness.
- Implemented rigorous data validation processes, systematically documenting results to ensure quality and compliance with healthcare standards.
- Contributed to peer-reviewed publication, clearly communicating data-driven insights.

Sagol Brain Institute | Virtual Reality Designer & Project Manager

Mar 2022- Jun 2023

- Managed development of interactive digital health technology (VR applications) using Unity, for healthcare and therapeutic interventions, collecting and analyzing user interaction data to enhance patient experiences and measure outcomes.
- Integrated motion tracking data and user analytics to customize therapeutic interventions for partially paralyzed patients. ([Link](#))

GrayMatters Health | User Experience Designer

May 2022 - Aug 2022

- Developed user experience (UX) Brain-Computer Interface (BCI) therapies, analyzing EEG data to optimize therapeutic interactions for PTSD patients.
- Accelerated clinical testing processes by systematically analyzing interaction data, ensuring timely delivery of high-quality, validated outcomes.

AroundU | Founder

Jan 2022 - Present

- Founded a company creating immersive storytelling with XR software, intending to bring people together in public spaces
- Addressed stakeholders' challenges with creative solutions
- Developed and implemented projects, including real estate, guided tours, social impact campaigns, art installations and games
- Managed teams of freelance developers, designers, and creative directors ([Company Site](#))

XR Collaboratory | XR Researcher (Cornell Tech)

Aug 2024 - Dec 2024

- Analyzed existing XR social media platforms, identifying user experience gaps and prototyping geo-anchored data-driven solutions, validated in live pilot studies. ([Link](#))

Caesarstone Ltd | Augmented Reality Consultant

Jun 2024 - Dec 2024

- Advised Caesarstone leadership on AR adoption for consumer and partners to enhance product visualization & engagement
- Secured cross-functional buy-in for AR demos and \$250K in additional budget for AR expansions in 2025. ([Deck](#))

PROJECTS & LEADERSHIP

DemocracyAR | Co-Founder

Jan 2023 - Oct 2023

- Led agile development of data-driven AR civic engagement campaigns, measuring impact through analytics-driven feedback loops, winning multiple hackathons.

BigRedXR, LLM Clubs | President

Aug 2024 – Present

- Founded and managed clubs, fostering cross-functional collaborations among diverse stakeholders (100+ members), leveraging organizational and analytical skills to coordinate events.

IDF | Company Sergeant Major |

Mar 2013 - Mar 2016

- Supervised and trained a platoon of 85 artillery soldiers as one of five senior commanders.

Languages: English (Fluent), Hebrew (Native), Spanish (Basic)