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15+ PROJECTS	30+ TRADE SHOWS	27+ INSTALLATIONS	4 CONTINENTS	5 COUNTRIES	~9 YEARS
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BRANDS, INSTALLATIONS, PARTNERS



Cross-discipline engineer with nearly a decade as tech lead in live entertainment field operations across 4 continents, six production AI systems shipped solo, Mixed Reality engineering background, and full-stack SaaS development through PluginWork. The rare combination of someone who builds the AI system, deploys it in the field, produces the content that sells it, teaches others how to use it, and maintains it across continents and years.

GLOBAL OPERATIONS – 4 CONTINENTS, 5 COUNTRIES



View full project details, demos, and media at lucascort.ca

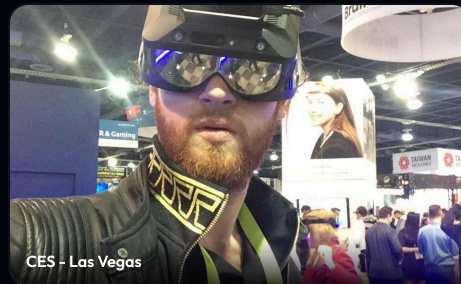
EXPERIENCE



Atari Pong - World Tour



Emoji Company - Licensing Expo



CES - Las Vegas

Field Tech Lead + AI / Automations Lead — [Unis Technology](#)

Jan 2017 – Present

Arcade & amusement equipment manufacturer. Started as intern, evolved into dual-role tech lead + embedded AI function.

- 6 production AI systems shipped solo: competitor intelligence with auto-generated daily podcasts + branded PDF reports, multi-agent live-broadcast AI avatar presenter (AutoGen + ChromaDB + OBS WebSocket + HeyGen), RAG-powered tech support over 150+ equipment manuals, two end-to-end lead-gen pipelines (Google Maps + Instagram), and internal analytics dashboard
- Tech lead on 30+ trade shows across 4 continents — IAAPA USA (4+ years), CES (2 years), IAAPA Europe, Amusement Expo, Toy Fair, Licensing Expo, Bowl Expo, California Extreme, and more
- Led 27+ installations including Cedar Point (flagship), 3 Disney resort properties, Dave & Buster's (Pong Knockout exclusive), Clawcade NYC, ToyBox Morocco, Emoji Planet BC, and the expanding Toybox venue network
- Named Event Producer for Unis Showcase 2020 — global virtual trade show alongside the company President. Ran OBS live stream for international audience
- On the ground for the Atari Table Pong Project launch (2018) — Las Vegas broadcast TV, brand video actor + editor, CES presenter, world tour. Installed upgrades on machines across Australia, New York, and California during the first couple years after launch
- Frontline tech support and machine diagnostics — troubleshooting, repairing, and servicing arcade equipment on-site and remotely across multiple jurisdictions
- Peer-level working relationships with Betson Industries, Player One Amusement Group, Sunstar
- Managed on-site teams, BOL filing, truck loading, machine safety documentation, live product demos and floor sales

Founder / Developer — [PluginWork](#)

2023 – Present

Software development studio shipping production SaaS.

- Shipped full-stack production SaaS: Vista-Sign (location analytics with Census data ETL + Mapbox), PRINTS-DMT (e-commerce with 3D viewer + Stripe/PayPal), AI-Weddings, Money-Getters
- AI Accounting Assistant — multi-agent system with 14 specialized agents, OpenAI Agents SDK, Google Calendar integration
- True Scan — AI orthopedic X-ray analysis with custom YOLOv8 + GPT-4o Vision clinical reports
- Stack: Next.js, React, TypeScript, Prisma, PostgreSQL, Tailwind, shadcn/ui, Stripe, PayPal, Clerk

Mixed Reality Engineer — [3D Agency Ltd](#)

2016 – 2021

Day one of the consumer VR wave. Overlapped with Unis for 5 years (2017–2021).

- Built OCE government-funded mobile Mixed Reality broadcasting booth (real-person / virtual-environment compositing)
- VR Biometrics Return-to-Work Assessment for ER Nurses — mixed reality marketing production (~2018), then a full COVID-19 pandemic response tool built in Unreal Engine on HP Reverb (2020)
- Project manager on Mohawk College Mixed Reality project — taught students MR fundamentals within the project scope; mentored 5+ interns; co-facilitated VR Society meetups for multiple years
- VR hardware repair & refurbishment at volume (bankrupt Ctrl V Arcade equipment)

Carpenter & Upholsterer — [Tef Nut Shu Manufacturing](#)

Pre-2016

- Hand-built cat furniture (houses, trees, posts, A-frames) — measuring, cutting, assembling wood + carpet upholstery. Products sold through Pet Valu across Ontario.

PROJECTS

Competitor Overwatch — Unis AI

A daily competitive-intelligence engine that ingests multi-source signals, deduplicates per competitor via entity resolution, and renders three coordinated outputs: an auto-generated podcast, a branded PDF report with competitor logos and curated imagery, and an email digest.

Python OpenAI GPT-4 ElevenLabs BeautifulSoup Playwright

RAG Manuals Tech Support — Unis AI

A custom RAG web app over the full library of equipment manuals. User picks the specific game, asks a natural-language question, and gets three coordinated outputs: a synthesized answer, a PNG snapshot of the actual manual page, and a link to the public manufacturer manual.

Python OpenAI GPT-4 ChromaDB PDF layout extraction

Custom web chat frontend

PRINTS-DMT — PluginWork

E-commerce print shop with 3D product viewer, dynamic inventory management, and multi-payment support via both Stripe and PayPal.

Next.js React Prisma PostgreSQL Stripe

True Scan — PluginWork

AI-powered orthopedic X-ray analysis system combining custom-trained YOLOv8 object detection (fractures, angles, structural lines) with GPT-4o Vision for professional clinical report generation. Outputs structured radiological assessments with angular measurements, fracture classification, CPT billing codes, and downloadable PDF reports.

Python YOLOv8 (Custom Trained) OpenAI GPT-4o Vision Next.js

OpenCV

TECHNICAL SKILLS

AI / Automation

Python OpenAI GPT-4 RAG / FAISS / ChromaDB Microsoft AutoGen LangChain ElevenLabs HeyGen
Anthropic Claude Web Scraping (BS4/Playwright) Prompt Engineering

Web Development

Next.js React TypeScript Tailwind CSS Prisma / PostgreSQL Node.js Stripe / PayPal Mapbox

VR / Mixed Reality / Broadcast

OBS Studio / WebSocket Unreal Engine Unity TriCaster VR Hardware Repair 15+ Headsets Tested Arduino

Field Operations

Installation & Teardown Team Management BOL / Logistics Live Demos & Sales Electrical Systems Machine Safety
International Operations

NOTABLE SIGNALS

Emoji Planet BC — Full arcade installation for Emoji Company licensed venue in British Columbia

Press — Interviewed by Marc Saltzman (Canada's most prominent tech journalist) at Collision Conference

Cedar Point — Toybox installation at one of America's most iconic theme parks

Broadcast TV — Las Vegas Now (CBS affiliate) presenting Atari Table Pong Project

Disney — Equipment upgrades at 3 Walt Disney World resort properties

CES x2 — Two years at the world's largest consumer electronics show (2018, 2019)

EDUCATION & TEACHING

- Mohawk College — Mixed Reality Project Manager — taught students MR fundamentals within the project (2017-2018)
- CODEfest 2018 — Interactive VR booth for 400 Grade 7/8 students
- VR Society Meetup Co-Facilitator — Multi-year, Oakville/Burlington, ON
- Atari Pong Repair Tutorial Series — Produced video tutorials with voice-over

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