

(isiah udofia).(com)

New Haven, Connecticut — (973) 303-6883 — isiah.udofia@yale.edu — linkedin.com/isiah-udofia — isiahudofia.com

EDUCATION

Yale University, New Haven, CT

Cognitive Science, B.S. – Neurocognitive Computation

Expected May 2026

Relevant Coursework: Human-Computer Interaction, Management of Software Development, Machine Learning, Neuroanatomy

GPA: 3.7 — Awards: 3x MRCC Academic Scholarship, 4x All-Ivy Team (Long Jump, 4x100), USTF Academic All-American

TECHNICAL PROJECTS

ML Research: Wearable Sleep Optimization, *Senior Thesis*, New Haven, CT

August 2025 – April 2026

- Leading development of an end-to-end analytics pipeline using wearable data to model how nightly recovery signals influence next-day cognitive performance, applying supervised ML to generate insights within the Mechanisms of Disinhibition (MoD) Lab
- Running feature engineering and model evaluation to identify physiological predictors of alertness and focus, while integrating Meilisearch API to convert sleep literature into actionable insights for high-performance agentic reference

Academic Index AI, *Co-Founder & Product Lead*, Princeton, NJ

May 2025 – Present

- Co-founded a custom-built AI web application addressing the market gap where students lack objective assessment of college application competitiveness; modernized the Ivy League recruitment formula into a platform and scaled to 10,000+ users
- Conducted user research to design a gamified UI/UX with reward-driven animations for the acquisition-to-score-reveal journey
- Custom architected a context-engineered LLM pipeline (OCR + Gemini) with strict schema-based prompting and guardrails, converting unstructured Common App materials into consistent scores within 0.1%-1.0% error threshold

WORK EXPERIENCE

Absolute Rest, *Product Design Intern*, Remote

January 2026 – Present

- Leading frontend design of PRISM, a tool for uploading, normalizing, and visualizing complex health datasets to surface actionable insights through Figma wireframes, high-fidelity prototypes, and shipped product features at the frontier of sleep health technology
- Collaborating directly with the CEO and a team of world-class sleep scientists to translate complex physiological datasets into clear, human-centered interfaces and data-driven health tools that surface meaningful patterns from historical wearable information

UBS, *Summer Investment Banking Analyst*, New York, NY

June 2025 – August 2025

- Trained in Debt Capital Markets team, assisting in origination and syndication of \$20M+ investment grade debt across issuers
- Led an independent research initiative to educate team on structure and dynamics of synthetic risk transfers and credit implications
- Built automated email generation tool in VBA integrating Bloomberg pricing data, automatically populating recipient fields and formatting for weekly pricing communications across counterparties, reducing Associate Director's correspondence time by 75%

Bain and Co., *Building Entrepreneurial Leaders Internship*, New York, NY

May 2023 – May 2024

- Staffed on live case team for one week, analyzing real client business challenges through data-driven problem-solving; developed analytical insights, executed Excel-based data analysis, and presented findings to senior leadership
- Selected for Bain's competitive Consulting Kickstart Program, receiving training in consulting toolkits and hypothesis-driven methodologies, mentorship from senior consultants, and hands-on exposure to real client problem-solving frameworks

EXTRACURRICULAR ACTIVITIES (LEADERSHIP EXPERIENCE)

Yale Varsity Track and Field Team, *Sprinter/Jumper*, New Haven, CT

2022 – 2025

- 3rd ranked all-time in Yale men's long jump history with personal best of 7.66m, finishing back-to-back seasons ranked top 50 nationally in NCAA Division I; earned 3 Ivy League medals in long jump and won a 4x100m relay medal as part of the team
- Designed and executed customized summer lifting and training program for sprinters and jumpers over two seasons, establishing structured strength development during off-season; during academic year, managed mandatory schedule of six daily practices per week, three lifts weekly, and 10+ multi-day competitions per season in NCAA Division I competitions

Zen Digital Studio, *Founder*, New Haven, CT

February 2025 – Present

- Built and scaled full-stack marketing websites for five retainer clients, integrating custom design, messaging, lead capture funnels, and brand-aligned social presence across YouTube, Instagram, TikTok, and web platforms to drive audience growth and conversions
- Led a full rebrand for a construction company by building a full-stack marketing site with custom admin backend for operations, producing new media assets, and managing social presence to unify aesthetic, tone, and customer acquisition (<https://lamcpainting.com/>)

SKILLS AND INTERESTS

- **Technical Skills:** TypeScript, Next.js, HTML/CSS, Tailwind, SQL, Figma, Adobe Photoshop, Illustrator, Premiere
- **Language Skills:** Professional Working Proficiency in Spanish, Intermediate Proficiency in Brazilian Portuguese
- **Interests:** Video Editing (Adobe/DaVinci), Competitive Sim Racing (GT3), European Soccer Tactics, Catalan Art, Cooking