

Alexandra Morgan Lindo

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EDUCATION

University of London, London, United Kingdom *Assessment May 2027*

- Graduate Certificate | Mathematics (in progress); academic direction by the London School of Economics (LSE)

King's College London, London, United Kingdom *September 2025 – September 2026*

- Master of Arts | Big Data in Culture and Society
- Recipient of the President's Global Leadership Award; enrolled in the Associate of King's College London (AKC) certificate program

University of Pennsylvania, Philadelphia, PA, United States *August 2020 – December 2024*

- Bachelor of Arts | Major in History with a concentration in World History
- Minor in Computer Science

EXPERIENCE

Dumo Digital Consulting Corp., Panama City, Panama *May 2023 – Present*

Co-founder and CEO | dumocorp.com

- Co-founded and lead a studio that partners with organizations and individuals to design and build digital products that advance social causes, including data tools, dashboards, websites, apps, and UI/UX services.

Espacio Cívico, Panama City, Panama *May 2024 – March 2026*

Lead Data Analyst and Digital Tool Manager

- Led data collection and investigative analysis that shaped the organization's public communications, press statements, and advocacy campaigns
- Managed the organization's website, including the Boletín de Diputados legislator ranking system and a legislative bill search tool, maintaining timely and accurate data updates
- Wrote grant applications to support the organization's core funding and continued operations

FUNDALCOM, Panama City, Panama *June 2024 – August 2024*

Legal Assistant

- Supported in-house lawyers at trials and hearings and contributed to case write-ups for survivors of domestic and sexual violence
- Designed public-awareness workshops and presentations on domestic and sexual violence, connecting communities in Panama with education and support resources

University of Pennsylvania, Philadelphia, PA, United States *May 2023 – November 2023*

Student Researcher | dia.upenn.edu/en/

- Collected, analyzed, and classified 40+ historical maps tracing Indigenous migration and dispossession in the Americas for Dr. Tulia Falsetti's *Dispossessions in the Americas*, a Penn-Mellon Just Futures Initiative project

DUMO PROJECTS

Monitoreo de Planilla Permanente de la Asamblea, Panama City, Panama *Launched October 2026*

Project Lead | monitoreoplanillapanama.com

- Led a team building a public dashboard that analyzes the National Assembly's permanent payroll, transforming a growing dataset of 200,000+ rows of government data into searchable records and visual statistics for citizens and journalists
- Built the entire backend, including a Python data pipeline (Pandas, NumPy) and REST API (FastAPI, SQLite, SQLAlchemy); co-designed the interface and completed the front end (Next.js, React, TypeScript)
- Maintain the platform monthly, processing each new payroll release to track hires, departures, and spending per legislator
- Produced data used by journalists and featured in national news coverage on TVN; invited by Transparency International's Panama chapter to give a talk on the project

Clara — Legal Orientation Chatbot for FUNDAMORGAN, Panama City, Panama *In development*

Designer and Sole Developer

- Designed and built a discreet, button-based chatbot to guide survivors of domestic and sexual violence and their families through legal options in Panama, including protection orders, divorce, child support, and custody, and to screen eligibility for FUNDAMORGAN's legal aid
- Implemented safety features for at-risk users: a one-click or Escape-key quick exit, no on-device data storage, and strict security headers, using HTML, CSS, JavaScript, and Cloudflare Pages
- Organized 40+ screens into a decision tree stored in a single plain-text file, enabling non-technical staff to update all content without editing code; formatted the content for reuse on WhatsApp

Project Lead

- Expand my MA dissertation's historical GIS of approximately 200 erased Panama Canal Zone settlements into a public, community-facing map and archive for Panamanian audiences
- Add a full Spanish translation, new archival sources, and features for integration into museum exhibits and collections

RESEARCH**Mapping Erasure**, King's College London*Published September 2026**MA Dissertation and Academic Prototype (Supervisor: Dr. Mark J. Hill) | mappingerasure.com*

- Built a relational geospatial database and interactive web map of approximately 200 settlements flooded, depopulated, or relocated during Panama Canal construction (1904–1914), drawing on 2,600+ archival attestations from 56 sources across 18 collections and recording locational uncertainty and 1,000+ documented archival absences
- Found extensive documentation of displaced Panamanian villages, with 94% of evidence held in U.S. collections; argued that documentation does not necessarily ensure representation and that digitization is a distinct stage in the production of historical silence
- Developed the data pipeline using Python (Pandas), QGIS, and OCR, and built a Leaflet web map; the project is now being expanded through Dumo as Memorias del Istmo for public use in Panama

Legislative Filtering in Panama: Bill Progression in the National Assembly*May 2026**Final Project, Advanced Computational Analysis (Distinction), King's College London*

- Built a Selenium web scraper and text-extraction pipeline (pdfplumber, Tesseract OCR) to compile all 761 bills introduced in Panama's National Assembly between July 2024 and April 2026
- Classified bills by policy topic using a locally run large language model (Ollama) and the Comparative Agendas Project codebook, then analyzed characteristics associated with bills stalling, advancing, or passing
- Found that executive-sponsored bills and those with 7+ co-proponents advanced furthest in the dataset, while technology, civil rights, and government-operations bills tended to stall

Public Service, Private Infrastructure: Auditing SDKs in Transport Apps*May 2026**Final Project, Data in Practice (Distinction), King's College London*

- Decompiled six Android transport apps (TfL Go, National Rail, South Western Railway, Uber, Lyft, Citymapper) using Jadx; used Python to compare their code against Exodus Privacy's list of 432 known trackers and Android's permission documentation
- Found that public-service apps in the sample carried fewer advertising trackers and dangerous permissions than commercial apps, while still relying on commercial analytics and crash-reporting SDKs

Aesthetics of Bureaucracy in Panama's National Assembly*January 2026**Final Project, Social and Cultural Analytics (Distinction), King's College London*

- Merged 16 monthly payroll releases from June 2024 to December 2025, published by Panama's Comptroller General, into a single dataset in R, tracking every Assembly employee over time by national ID number
- Analyzed gender, pay, party affiliation, and surname clustering, finding no overall gender pay gap but marked occupational segregation and signs of possible kinship-based hiring; the surname analysis was later adapted for the Monitoreo de Planilla platform

LEADERSHIP**King's College London**, London, United Kingdom*September 2025 – September 2026**Student Representative and Faculty International Student Representative*

- Built community across the department and faculty through campaigns and collaborative projects involving students, the Students' Union, and the College
- Represented peers' experiences, ideas, and proposed solutions on department- and faculty-level committees, working closely with academic and professional staff
- Recognized as the Highly Commended Community Champion at the Arts and Humanities Student Awards 2026

AIP Math Team, Panama City, Panama*March 2014 – December 2019**Head Trainer and Medalist*

- Won five medals at Panama's National Math Olympics: silver (2016, 2019) and bronze (2015, 2017, 2018)
- Trained younger team members from 2016 onward; promoted to Head Trainer in 2018
- Selected for four years of training with Panama's National Math Team, including an 80+ hour bootcamp in August 2019

SKILLS

- **Languages:** Spanish (Native), English (Fluent – TOEFL iBT: 118), French (Proficient), Portuguese (Novice)
- **Programming languages:** Python, R, SQL, JavaScript, TypeScript, HTML, CSS, Java, and OCaml
- **Data and web:** Pandas, NumPy, FastAPI, SQLite, SQLAlchemy, Selenium, Tesseract OCR, local LLMs (Ollama), QGIS, Leaflet, React, Next.js
- **Design and tools:** Adobe Creative Suite (Illustrator, Photoshop, Lightroom, Premiere), Figma, Git, Excel