Aurelia Mandani

aureliamandani.com | Denver, CO

Education

University of Colorado at Denver   **Aug. '18 - Present**
PhD in Computer Science and Information Systems   **Expected Dec. '22**

- *Research areas:* Cybersecurity (privacy & security) behaviors, cyber governance, user experience in cybersecurity, and emergency response theory
- *Research methods:* qualitative (interviews, focus groups, ethnography, grounded theory, and case study); quantitative (structural equation modeling-SEM, surveys, econometric models & regressions, and social network analysis)
- *Organizations:* Gates Millennium Scholars Ambassador Organization, KPMG ISDSA PhD Project President ('21-'22)
- *Comprehensive Exam Completion:* August 2020, *Expected Graduation December 2022*

University of Denver   **Jun. '17**
Master in Library Informational Sciences concentration in Informational Technology (MLIS) (UX/Technology Focused)

- *Thesis:* Librarian's Perceptions of the Information Seeking Behaviors of New Americans.
- *Research methods:* qualitative (interviews, focus groups, ethnography, grounded theory, and case study)
- *Organizations:* Gates Millennium Scholars Ambassador Organization, DU GMSP Chapter Member.

Seattle Pacific University   **Jun. '14**
Bachelor of Arts in Political Science with a concentration in International Relations

Related Experience

PhD Student Researcher   **Aug. '18 - Present**
Research Focus: Privacy, Security and Governance
CU Denver, Business School
Denver, CO

- Designs and executes mixed method research projects related to privacy, security, and governance
- Performs quantitative analyses structural equation modeling, econometric analyses, and user experience analyses (A/B tests, card sorting, and benchmarking)
- Performs qualitative analyses such as interviews, field studies, observational studies and focus groups

Technical Information Specialist   **Feb. '21 - Present**
NOAA Boulder, Earth Science Research Lab (ESRL)
Boulder, CO

- Maintains, updates, and conducts UX-based research to guide library website updates, research tools, and re-development as the onsite library UX researcher
- Collaborates across research labs and teams to collect data for evaluating current and future research resource offerings
- Researches and evaluates sitewide usage of library research resources and develops a yearly spending plan for library
- Develops and maintains keyholder partnerships with other Federal Agencies, outside vendors, and other stakeholders

Student Faculty   **Dec. '20 - Present**
University of Colorado Denver Business School
Denver, CO

- Currently works as an ad-hoc PhD instructor for "Introduction to Business Problem Solving"
- Develops lesson plans and coursework on data visualization in Tableau and data management in Excel
- Utilizes technology training tools to help students learn how to solve entry-level business problems

Systems Administrator III (cybersecurity focused)   **Sept. '18 - Feb. '21**
Cherokee Nations at NOAA Boulder, Earth Science Research Lab (ESRL)
Boulder, CO

- Analyzed, supported, and planed systems based on current IT security practices and user needs
- Collaborated with IT Security Officer to create a remote access plan for 1,000+ federal employees to access research articles for mission-critical research during the COVID-19 pandemic
- Developed a user-driven security and privacy trainings for staff to ensure that all staff members were aware of security and privacy issues within an office setting

- Evaluated systems and mitigated security and privacy risks for the ESRL Director's Office
- Created, researched, and developed a data-dashboard for contact tracing of employees for Lab Directors to reference during the COVID-19 pandemic

Technology Services Librarian & Web Developer   Sept. '17 - Sept. '18
Cherokee Nations Technology at NOAA Boulder Labs Library
Boulder, CO

- Conducted user analysis of digital and physical spaces and increased library in-person usage by 25%
- Developed qualitative/quantitative UX analysis (wireframing, A/B tests, card sorts, etc.)for Boulder Labs Library website (available at: https://library.bldrdoc.gov/); brought online traffic for government resources up by 30%
- Increased library visibility to shareholders by 50%
- Assisted librarian team with the development of the Bibliometric Program to assist researchers with understanding their teams and individual research metrics
- Re-branded the library's logo and marketing materials for the library based on UX research findings

Research Member/Emerged Leader/Team Web Developer   Feb. '18 – Dec. '18
ALA Emerging Leaders Group I (Research and Project for PLA- Public Library Association)
Denver, CO

- Assisted with taking group research ideas and worked with team in devising an online "system" for group's scholarly outputs (available at: https://ripl.lrs.org/data-pathways/)
- Utilized a waterfall model to meet the deadlines and necessary information for website to be presentation-ready at ALA Annual 2018 (American Library Association Annual Conference)
- Designed a usable interface for a data competency training site for public library workers
- Created and designed branding that combined RIPL (Research Institute for Public Libraries), PLA (Public Library Association), and ALA Emerging Leaders for website

Arapahoe Library District   Jan. '17 - Sept. '17
Intercultural Librarian (Technology Focused)
Arapahoe County, CO

- Developed coding lessons for the Denver's YMCA and Arapahoe Libraries partnership Coding Club
- Created and developed bi-lingual technology trainings on: how to operate android phones and iPhones, how to save pictures on cell phones, and how to create an email account
- Worked as a community liaison by encouraging multicultural organizations to utilize library services

Technology Specialist   May '16- Jan. '17

- Led and planned the district's monthly Coding Club program at Arapahoe Libraries for middle and high school aged young adults on: HTML, CSS, Java, and Ruby
- Assisted patrons with advanced technology in makerspace such as the CNC machine, laser cutter, 3D printers, and other tools and technology

Parker Vision Specialists   July '14 - May '16
Optician
Parker, Co

- Assisted patients with choosing the correct lens and frame for their eye care needs
- Managed communication between patient's and Optometrists
- Utilized budget management skills through frame buying for optical boutique through weekly meetings with eyeglass/frame representatives
- Created and compiled a training guide for new Opticians
- Sent optical billing out to respective insurance providers

Certifications

User Experience: Research & Prototyping by University of California, San Diego on Coursera.
Certificate earned on December 13, 2015

Languages

- Python
- CSS
- C+

- C#
- HTML
- Java

- JavaScript
- Bash
- PowerShell