
DOUG DANIELS

Curriculum Vitae

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Profile

I am a librarian with extensive instructional and emerging technology experience. Some of my relevant professional skills include superlative written and oral communication, extensive tier II and III IT support experience, nearly five years working with professional A/V equipment in the film industry, extensive experience with 3D scanning and 3D printing services, over seven years' experience working in an academic research library implementing emerging technologies, and working knowledge of Adobe CS software suite. Some of my relevant personal skills include quickly and easily developing excellent interpersonal relationships, handling stressful situations with good humor and aplomb, solving complex problems by distilling them into their constituent parts, and an affinity for translating high-tech into low-tech.

Experience

Emerging Technologies Librarian, UCLA Library, Los Angeles, CA — April 2020 - Present

- Develop and extend connections between the Library and University faculty, researchers, and students engaging in emerging technologies.
 - Provide technical support for specialized lab hardware, including desktops, laptops, 3D printers, laser etcher/cutter, large format printers, 3D scanners, and drone.
 - Design and teach workshops or integrated course sessions on emerging technology tools, resources and best practices for diverse classroom environments, including Mechanical Engineering, Bioengineering, Architecture, Archaeology, and more.
 - Advise and train students, staff, and faculty on Lux Lab software and hardware, best practices for the use and maintenance of Lux Lab equipment, ongoing documentation, and management of digital assets related to the Lux Lab.
 - Lead outreach and awareness activities for faculty, graduate students, and other partners.
 - Support and advise student organizations such as the Rocket Club(s), Bruin Racing, and 3D print club.
 - Compile usage data on all aspects and services of the Lux Lab and produce reports to be used for the assessment of support and services in the Lux Lab.
 - Work closely with Library Development to identify and steward donors, collections, and endowed gift funds.
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Coordinator of Scholarly Innovation Technologies, UCLA Library, Los Angeles, CA – August 2016 - April 2020

- Manage daily operations of the emerging technology services, including 3D printing, laser etching/cutting, large format printing, 3D scanning, and 3D mapping.
- Provide technical support for specialized lab hardware, including desktops, laptops, 3D printers, laser etcher/cutter, large format printers, 3D scanners, and drone.
- Integrate emerging technology services into diverse classroom environments, including Mechanical Engineering, Bioengineering, Architecture, Archaeology, and more.
- Advise and train students, staff, and faculty on software and hardware set-up of Lux Lab related projects, best practices for the use and maintenance of Lux Lab equipment, ongoing documentation, and management of digital resources related to the Lux Lab.
- Organize exhibitions and conduct presentations featuring the academic applications of Lux Lab services.
- Support and advise student organizations such as the Rocket Club(s), Bruin Racing, and 3D print club.
- Compile usage data on all aspects and services of the Lux Lab and produce reports to be used for the assessment of support and services in the Lux Lab.
- Expand specialized services offered by the Lux Lab and integrate our emerging technology services into various curricula around campus.

Technical Projects Specialist, UCLA Library, Los Angeles, CA – June 2014 - August 2016

- Develop and implement 3D printing services for UCLA Library by recommending 3D printing hardware, projecting staff time and materials costs, and developing use-cases across the entire campus.
 - Develop and implement lending film kits for students, including lighting kits, audio kits, and camera kits (GoPro kits, iPad film kits, and a prosumer Sony camera kit).
 - Research, recommend, and write proposals and project plans for new emerging technology services, such as 3D scanning.
 - Tier 1 and 2 IT support for UCLA library staff
 - Tier 1 and 2 IT support for 500 MacBook Pro lending laptops.
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Helpdesk Specialist, UCLA Library, Los Angeles, CA – September 2013 - June 2014

- Tier 1 IT support and response for UCLA staff and 500 MacBook Pro lending laptops.
- Active Directory password support.
- Install/Upgrade computer hardware and software
- Troubleshoot software
- A/V Install and support

Education

- **University of California, Los Angeles** – Master of Library and Information Science - Informatics track, June 2020
- **University of California, Los Angeles** – Bachelor of Arts - History Major & German Minor, 2014 - *Summa Cum Laude*, Departmental Highest Honors (History)

Skills

Project Management	3D Printing & Scanning	Certified Drone Pilot	Intermediate Python	Laser Etching & Cutting	Training & Documentation
Fast learner	Conversational in German	Working Knowledge of Adobe Suite	Excellent Interpersonal Skills	High Technical Acumen	Digital Asset Management

BruinTech
<https://bruintech.ucla.edu>
UC Libraries
<https://tinyurl.com/3DdataCKG>

Professional Associations

- **International Image Interoperability Framework 3D Community Group - Co-chair, January 2023-present.** *Help guide monthly discussions on areas of professional interest among international set of stakeholders across GLAM and industry leaders. Help arrange for guest speakers for monthly meetings.*
- **UCLA Information Science School Program Planning Committee - Member, January 2023-present.** *Help determine curricular priorities and direction for MLIS program; particular focus on direction and current disposition of the Informatics track within the program.*
- **3D Data UC Common Knowledge Group – Co-founder, Chair, 2020-Present.** *Helped found and subsequently run the UC Common Knowledge group for emerging technology professionals. Monthly group meetings are held to share documentation, best practices, hardware/software recommendations, etc.*
- **BruinTech Executive Board - Vice President of Strategic Communications, 2016-2017.** *Managed organizational communications, assisted in organizing conference events, curated weekly newsletter focused on current events in the fields of information technology and science.*
- **Culture of Engagement and Leadership in the Library Working Group – Member, 2015.** *Participated in the Library’s strategic planning as member of a working group. Devised recommendations and implementation strategies for Library’s leadership.*

Talks

- **“Remote Sensing in Archaeology”**
 - **“What’s Possible with the Lux Lab? 3D Scanning, Printing, LIDAR, and More!”** – Webinar, Cotsen Institute of Archaeology Summer Workshop Series, Los Angeles, CA (Invited)
 - **“3DP PPE @ UCLA: Making it Through a Pandemic”** – Webinar, Los Angeles, CA - July 1st, 2020 (Initiated) - <https://tinyurl.com/y6r8qrqo>
 - **“Coffee with a Curator”** – Webinar, Los Angeles, CA - June 26th, 2020 (Invited)
 - **“Sustaining Resources for Digital Preservation”** – William Andrews Clark Memorial Library, Los Angeles, CA - March 7th, 2020 (Invited)
 - **“Teaching, Learning, and Research with Emerging Technologies: Guided Discussions of Strategies”** – Educause Learning Institute Annual Meeting, New Orleans, LA - January 29th, 2018
 - **“Publishing Molars and Mandibles: Challenges and Opportunities Associated with Emerging Technologies”** – University of California Digital Library Forum, Riverside, CA - February 27th, 2018 (Invited)
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- **“3D Printing at UCLA”** – California State University, Channel Islands, Camarillo, CA - April 11th, 2016 (Invited)

Selected Campus Lectures and Outreach

- **LiDAR Workshop** – Cotsen Institute of Archaeology, seminar on drone surveying with LiDAR, May 2023
 - **Intro to 3D Scanning** – Young Research Library, HIST191I: Capstone Seminar, seminar lecture of different modalities of 3D scanning and their various applications, May 24th, 2023
 - **“Remote Sensing in Archaeology”** – Cotsen Institute of Archaeology, March 15th, 2023
 - **Introduction to 3D Data in Digital Humanities** – Young Research Library, Guest lecture, University of Zagreb post-docs, November 10th, 2022
 - **Sustaining Resources for Digital Preservation** – Young Research Library, IS289, Methods Seminar on Sustainability and Information Professions, April 2021
 - **Intro to 3D Scanning** – Getty Villa, CLT HTG M215/MAT SCI M213, October 20th, 2022
 - **Intro to 3D Scanning** – Young Research Library, Advanced Sculpture, October 5th, 2022
 - **Intro to 3D Scanning** – Broad Art Center, Advanced Modeling, May 18th, 2022
 - **Independent Study: Applications for 3D Modeling in the Conversation of Cultural Heritage** – Cotsen Institute of Archaeology, guest lecture for graduate students, July 21st, 2020
 - **“Incoming Graduate Student Orientation”** – Science and Engineering Library, incoming graduate students, September 26th, 2019
 - **“Lux Lab Emerging Technology Services”** – Bunche Hall, International Institute, May 22nd, 2019
 - **“Cotsen Open House Demos”** – Cotsen Institute of Archaeology, general public, May 18th, 2019
 - **“Lux Lab Services for Engineering Students”** – Various, Recurring Lecture, MAE94 & MAE162D/E, 5/19, 2/19, 10/18, 5/18, 2/18, 9/17, 5/17, 2/17
 - **“Lux Lab Scanning Services for Art Students”** – Young Research Library, Lecture, Beginning Sculpture, May 6th, 2019
 - **“Powell Society Open House Demo”** – Young Research Library, invited past and prospective donors, Recurring, March 2019/18/17
 - **“360° Planetarium Projection and the Immersive Classroom”** – Young Research Library, invited guests, December 7th, 2018
 - **“Lux Lab Scanning Services for Ceramics Students”** – Broad Art Center, Lecture, Beginning and Advanced Ceramics, November 15th, 2018
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- **“Incoming Graduate Student Orientation”** – Science and Engineering Library, incoming graduate students, September 27th, 2018
 - **“Artec Scanners: Best Practices”** – Cotsen Institute of Archaeology, Lecture, ANE M179 - Cultural Heritage and the Representation of Identity: Creating a Fowler and a Virtual Exhibit, April 26th, 2018

Scanned works (partial, WIP):
<https://sketchfab.com/LuxLab>

3D Scanning Projects

- **Fowler Museum**, UCLA, Virgin Mary statuette, part of advisory work for graduate capstone student in preservation. May 19th, 2023
 - **Anatomy Lab**, UCLA, Cadaver arm in various stages of dissection, Aug 23 - Sep 3, 2022
 - **Semel Institute**, UCLA, Orbital septums from 5 subjects, March 31st, 2022
 - **LACMA**, UCLA, two Ancient Egyptian sarcophagus lids, May 6th, 2023
 - **Powell Library**, UCLA, Terrestrial LiDAR scan of Powell Library exterior and parts of the interior for preservation, documentation, and exhibition of 3D data tools, Nov-Dec 2021
 - **UCSD Scripps Institute FLIP Ship**, UCSD, Scripps Institute of Oceanography, LiDAR and structured light scans of interior and exterior of FLIP Ship research vessel for preservation purposes, August 25-27, 2021
 - **UCSD Birch Aquarium Loggerhead Sea Turtle, etc.**, UCSD, Birch Aquarium, Loggerhead sea turtle and variety of marine life samples. June 17-18, 2021
 - **UCLA Library Special Collections Cuneiform Collections**, UCLA, Clark, Dickson, and Cotsen collections of Cuneiform tablets, ongoing
 - **The Clark Library**, Downtown Los Angeles, building grounds and interior, various cultural heritage objects, September 19th, 2019
 - **Fowler Museum**, UCLA, 25 Vietnamese Ceramics, Hamilton College and Colgate University February 22nd, 2019
 - **The Getty Center**, Los Angeles, CA, One Egyptian Sarcophagus, Cotsen Institute, September 22nd, 2018
 - **Museo Egizio**, Turin, Italy, 49 Egyptian Artifacts, Cotsen Institute, July 29th - August 3rd, 2018
 - **Fowler Museum**, University of California, Los Angeles, Select Cuneiform Artifacts, Library Special Collections, July 2-3, 2018
 - **Fowler Museum**, University of California, Los Angeles, 27 South Pacific Artifacts, Library Special Collections, June 27-29, 2018
 - **Fowler Museum**, University of California, Los Angeles, 25 African ceremonial blades, Cotsen Institute, April 19th, 26th, & 30th, 2018
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