

Drake Long

Senior Designer with 6 years of experience translating complex user needs into capable interfaces.

drakelongdesign.com | drakelong25@icloud.com | Bay Area, CA

Senior UX Designer

Johnson & Johnson MedTech

September 2022 — Present • Santa Clara, CA

- Drive experience design for multiple key aspects of the surgeon experience for J&J's flagship surgical robotics platform, OTTAVA™
- Lead multiple complex, ambiguous workstreams simultaneously, partnering cross-functionally to ensure designs aligned with user needs, stakeholder input, and business goals
- Direct the day-to-day work, scoping, and professional development of early-talent team members
- Assume the challenge of multi-modal design efforts, incorporating haptic, sound, and LED experiences alongside digital interfaces to create cohesive end-to-end experiences
- Conduct user research with clinicians, including market research, conference insight sessions, and operating room contextual inquiries, to inform product decisions

UX Designer

Johnson & Johnson MedTech

March 2021 — September 2022 • Santa Clara, CA

- Individual contributor role for J&J's flagship, soft-tissue robotics platform, OTTAVA™
- Contributed to core UI design efforts, scaling interaction patterns and layouts across touchpoints while leveraging established design systems and symbol libraries
- Supported workstreams from early concept through detailed, production-ready design deliverables
- Worked closely with development teams and conducted design QA to ensure designs were implemented to specification

UX Interaction Design Specialist

GE Aerospace

January 2020 — February 2021 • Cincinnati, OH

- Supported a web-based contract modeling application suite that generates and audits jet engine customer service agreements
- Conducted user research utilizing participatory design methods in-person and remotely with international participants
- Iteratively designed mockups and generated prototypes to improve user workflows
- Created scalable components for team-wide design system and symbol library to ensure cohesiveness across products

Digital Technology Intern, UX Design

GE Aerospace

May 2019 — August 2019 • Cincinnati, OH

- Analyzed user research findings and subsequently generated key action items
- Refined user workflows and interactions for an internal workflow management tool
- Updated visual design language of workflow management tool, using team's design system

UX Design Intern (x2)

Siemens Healthineers (Molecular Imaging)

May 2017 — August 2017 & May 2018 — August 2018 • Knoxville, TN

- Redesigned medical device service/maintenance applications to be more scalable to allow for new features. New features include tutorial videos, 3D renders, and looping animations

Education

Bachelor of Science,
User Experience Design

Purdue University

West Lafayette, Indiana

Minors

- Psychology
- Communication

Certifications

- Collaborative Leadership

Study Abroad,
Digital Civics & User Experience Design

Newcastle University

Newcastle, England, United Kingdom

Generated IP

Dynamic flexible scope drive and methods of using same

- Publication: #US20250143795A1

Situational awareness of surgical robot with varied arm positioning

- Publication: #WO2025094162A1

Hand assignment for a robotic surgical system

- Publication: #WO2025094164A1

Immersion menu access

- Publication: #WO2025169145A1

Proficiencies

- Multi-Touchpoint Experiences & Connected Systems
- Multi-Modal Design
 - Touch, Physical Controllers, Tactile Buttons, & Foot Pedals
- Design for User Feedback Mechanisms
 - Sound, LED, & Haptics