ALYX OAKLEY

UX/UI DESIGNER

Baltimore, MD | avmoakley@gmail.com | My Portfolio | 410-627-4732

EDUCATION

Maryland Institute College of Art (MICA)
Masters of Professional Studies - User Experience Design
GPA: 4.0

Penn State University
Bachelors of Architectural Engineering
GPA: 3.72
Notable Achievement: Millennium Scholar - program for high-achieving STEM students.

WORK EXPERIENCE

MECHANICAL DESIGN ENGINEER | BKMA - Baltimore, MD — Jan 2023 - Jan 2026

- Designed MEP solutions for large-scale infrastructure projects, increasing system efficiency and reducing energy costs by 30% on average.
- Implemented centralized design software, including BIM360, AutoCAD, and Revit, to integrate coordination workflows between multidisciplinary teams, reducing design clashes and streamlining handoffs.
- Conducted thorough coordination reviews to identify and resolve conflicts during early design phases, resulting in <1% change orders during construction — reducing budget overruns and design rework to maintain project timelines.
- Evaluated complex technical specifications to understand project goals and KPIs, and identified constraints to inform design development.
- Cultivated client satisfaction and trust through high-caliber design deliverables, resulting in 81% of projects commissioned by repeat clients.

PROJECT ENGINEER | Balfour Beatty - Washington, D.C. — Jun 2021 - Jan 2023

- Coordinated project schedules, budgets, and construction activities for two 550,000 SF, 10-story office buildings, managing complex workflows, competing priorities, and tight deadlines to achieve LEED Gold certification.
- Identified and resolved design and constructability challenges by collaborating with cross-functional teams, including project managers, superintendents, subcontractors, vendors, and clients.
- Facilitated pre-task planning with subcontractors to establish clear execution strategies, communicate project requirements, and align deliverables with established objectives.
- Conducted quality assurance reviews, documented deficiencies, tracked outstanding issues, and coordinated corrective actions to ensure deliverables met project specifications.

MECHANICAL DESIGN INTERN | BKMA - Baltimore, MD — Jun 2019 - Aug 2020

- Performed building load calculations and energy modeling using TRACE 3D software to establish engineering design parameters and evaluate system performance requirements.
- Developed and revised technical drawings, equipment schedules, and engineering documentation to communicate design specifications and support project execution.
- Collaborated with cross-functional teams, including project managers, engineers, clients, and manufacturers, to align project requirements and stakeholder needs — coordinating insights into actionable designs.
- Researched and applied local building codes, municipal regulations, and accessibility standards to ensure designs were in compliance and accommodated diverse user needs.

SKILLS

Design & Prototyping: Figma, Adobe Photoshop, Adobe Illustrator

UX Methods: Heuristic Evaluation, Personas, User Flows, Journey Mapping, Interaction Design, Product Strategy, Information Architecture, Lean UX, UX Writing, Accessibility

Research & Analysis: User Interviews, Affinity Mapping, Usability Testing, Dovetail, Maze

Collaboration: Miro, FigJam, Mural

Branding & Visual Design: UI Design, Color Theory, Style Guide/Design Systems, Gestalt Principles

Agile/Project Management: Trello, Jira, Asana, Microsoft Office Suite

Interpersonal: Empathy, Design Thinking, Cross-Functional Collaboration, Detail-Oriented, Public Speaking, Adaptability, Patience, Conflict Resolution & De-escalation