ALYX OAKLEY

UX DESIGNER

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

OVERVIEW

Hi, I'm Alyx! I'm a recent UX Design graduate with a multidisciplinary background in project management, engineering, and mechanical design. I have 5+ years of professional experience translating complex design requirements into functional, user-focused solutions in the architecture and construction industry. Throughout my career, I've developed a strong understanding of the intersection between people, technology, and design, and I am eager to apply my technical background, creative problem-solving skills, and integrative perspective to a team that values creative innovation and user-centered design to create accessible and meaningful experiences.

EDUCATION

Maryland Institute College of Arts, MICA

Masters of Professional Studies - User Experience Design
GPA: 4.0

Penn State University

Bachelors of Architectural Engineering & Associate of Sociology
GPA: 3.72
Notable Achievement: Millennium Scholar - program high-achieving STEM students.

WORK EXPEREINCE

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

- Developed detailed construction documents, including drawings, notes, schedules, details, diagrams, controls, and specifications for K-12, Higher Ed, Healthcare, Commercial, and Federal market sectors.
- Drafted and modified design iterations via 3D modeling and CAD software, including AutoCAD and Revit.
- Collaborated with cross-functional teams—including Engineers, Project Managers, Clients, and Manufacturers to gather requirements, clarify objectives, and translate insights into clear design parameters.
- Conducted frequent coordination reviews to audit quality control and ensure mechanical systems were not in conflict with architectural, structural, and electrical trades.
- Read and interpreted complex technical drawings, diagrams, and specifications to understand existing conditions and design expectations.
- Conducted field surveys to document existing conditions, verify dimensions, and gather information required for design development.
- Remained up to date on local and municipal codes and accessibility standards.

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

- Oversaw the scheduling, budget, and construction of two 550,000 SF, 10-story office buildings.
- Efficiently identified and resolved constructability and design concerns by coordinating with project managers, superintendents, subcontractors, vendors, and clients to develop practical solutions.
- Supported subcontractors with pre-task planning to develop execution strategies in compliance with project requirements.
- Communicated with vendors and subcontractors to coordinate material procurement and visually tracked task completion to maintain the project schedule.
- Compiled evolving punch lists and conducted visual inspections to identify incorrect, defective, or incomplete work.

MECHANICAL DESIGN INTERN| BKMA - Baltimore, MD — 2018-2020

- Conducted building load calculations and energy modeling using TRACE 3D software to determine accurate design parameters.
- Completed calculations to size mechanical components, including air-handling equipment, ductwork, and pipe and associated appurtenances.
- Drafted equipment schedules, drawing notes, specifications, details, and diagrams to communicate complex design elements and ensure design intent was communicated clearly.
- Supported the Construction Administration team in completing project walkthroughs at various stages of construction to generate punch lists and track task completions.

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TECHNICAL SKILLS

- User Research & Interviews
- Discovery & Competitive Analysis
- User Interface Design
- Information Architecture
- Heuristic Evaluation
- Interaction Design
- Prototyping
- Personas, User Flows & Journey Mapping
- Affinity Mapping
- Usability Testing
- Accessibility & Inclusive Design
- Technical Writing
- Figma
- Miro
- Jira
- Dovetail
- Trello
- Photoshop
- Data Analytics

INTERPERSONAL SKILLS

- Empathy
- Critical Thinking
- Attention to detail
- Public Speaking
- Collaboration
- Adaptability
- Patience
- Conflict Resolution & De-escalation
- Time Management
- Multitasking