

AMY CONLEY

DESIGNER / ENGINEER

amyleaconley@gmail.com
www.amyconleydesign.com
217.415.4186
Houston, Texas 77007

Freelance digital designer who also works as a chemical engineer. Bringing both an analytical and creative mind to the table, I love to focus on the details and then drive improvements. I'm currently seeking opportunities that will allow me to create beautiful, functional products by analyzing human needs and solving problems.

HIGHLIGHTS

Design Research

Developed ethnographic studies for research projects including interviews, observations, and surveys

Conducted iterative think-aloud usability testing with rapid prototyping to further product development

Project Management

Developed expanded plant packaging area, allowing for a cleaner, streamlined packaging process with improved ergonomics to save \$2M/year

Managed cost, labor, design, and schedule on multiple process design projects ranging from \$50K-\$500K

Led maintenance prioritization meetings with 15 employees to expedite and manage progress of maintenance work

Operations Support

Managed field operation decisions for a high-margin suspension aid product; developed preliminary procedures and control variables for operational transition to technicians

Originated and implemented new method to de-inventory storage tanks, reducing emissions by 95%

Maintained safety by updating production operating manuals, implementing Management of Change documents, and assisting in the validation of Process Hazard Analysis studies using risk assessment tools

Implemented quality control documentation for new process equipment installations

DESIGN SKILLS

User Research
Usability Testing
Rapid Prototyping

3D Printing
Visual Communication
Figma

Photoshop
Illustrator
InDesign
XD
SolidWorks
KeyShot

DESIGN PROJECTS

Website Design / Indus Law

Designed web pages for Indus Immigration Law, focusing on a simple, modern look with organized copy

Website Design / Innocent Justice Foundation

Designed web pages for The Innocent Justice Foundation, focusing on current news and resources with ease of donation and sponsorship

Website Design / Bloom Dance Conference

Designed web pages for Bloom Dance Teacher Conference, focusing on dancer inclusion, simple outlining, and ease of registration

Project Manager / Davenport Engineering Website

Managed project to create and develop fully renovated website for Davenport Engineering. Collaborated with Brand Echo marketing and internal engineering staff

Design Fellow / RED Labs Class 6

Provided product design consulting for the University of Houston and Rice University startup accelerator and technology entrepreneurship summer 2018 program

UX Design / Masters Thesis

Developed app concept to assist those relocating find and explore a compatible neighborhood. On display during University of Houston Shades of Design exhibition

Coffee Maker Design / Coffee Connoisseurs

Designed a portable pour-over coffee maker for those who prefer to consume fresh tasting coffee on the go

Mobile Classroom Design / Mali Nieta

Proposed shipping container interior layout and furniture design for non-profit African mobile learning lab, to assist with rural African education. On display during University of Houston ID+RED Social and Community Design exhibition

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PROFESSIONAL EXPERIENCE

Website Designer

Jan 2020 - Present
ConciergeWP / Remote Work

Creating WordPress digital website designs for various clients, focusing on user experience (UX), layout and wireframing, graphics, colors, and photos

Staff Engineer

July 2012 - Present
Davenport Engineering / Torrance, California

Supporting a variety of environmental compliance and air emission inventory projects for California petroleum and chemical manufacturing facilities

Project Manager

December 2011 - June 2012
McKenna Engineering / Carson, California

Oversaw engineering projects in the sanitary industries, including cosmetics, pharmaceuticals, and beverages

Process Engineer

August 2010 - November 2011
CP Kelco / San Diego, California

Provided process optimization support for a biochemical fermentation plant producing food additives

Production Engineer

April 2007 - May 2009, June 2010
LyondellBasell Industries / Pasadena, Texas

Provided technical, process safety, and operational support for chemical plant with plant distillation, flare systems, and 70 vessel tank storage and loading area

EDUCATION

Master of Science, Industrial Design • University of Houston / Houston, Texas / 2018

Bachelor of Science, Chemical Engineering • Illinois Institute of Technology / Chicago, Illinois / 2006