

COLLEEN DUONG

Designer • Architect • Artist • Storyteller

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808.429.6239
San Francisco, CA

Highly motivated ecological designer with 2 years of experience in the industry with a strong interest and history with sustainable architecture and human-centered design, passionate about transitioning into product design. Skilled in systems thinking, innovative problem solving, seeking to leverage my expertise in creating eco-friendly, user-focused products.

Education

Carnegie Mellon University

Pittsburgh, PA

MS Sustainable Design, 2022

Carnegie Mellon University

Pittsburgh, PA

B.Arch & Animation Minor, 2021

Skills

Design & Technical Skills

- Design Thinking
- Storyboarding / Wireframing
- User-Centered Design
- Sustainable Design
- Rapid Prototyping
- Sketching

Software Proficiency

- **Adobe CC** Photoshop, Illustrator, InDesign, Premiere Pro)
- **UX/UI** Figma
- **CAD & Modeling** AutoCAD, Sketchup, Fusion360, Rhinoceros 3D-Grasshopper,
- **Rendering & Visualization** Enscape, Keyshot
- **Animation & Simulation** Maya, Blender
- **Programming** Javascript, HTML

Fabrication

- Mill, Lathe
- Lasercutting
- 3D Printing

Publication

Tactical Sedimentation of Architectural Reef System

Authors: Colleen Duong, Dana Cupkova, Azadeh Sawyer, Marantha Dawkins.

Journal: ACADIA 2022: Hybrids and Haecceities / Volume II: Papers [Proceedings of the 42nd Annual Conference of the Association of Computer Aided Design in Architecture (ACADIA) ISBN 979-8-9860805-8-1]. University of Pennsylvania. 27-29 October 2022. (Pages 378-389).

Link:

www.colleenduong.com/Acadia_Tactical_Sedimentation.pdf

Hobbies

- Digital Illustrations / cocoyumri@instagram
- Visual Storytelling
- 3D Modeling & Animation
- Learning New Softwares
- Reading
- Handmaking gifts/Arts&Crafts

Projects

Tactical Sedimentation of Architectural Reef System

Link: www.colleenduong.com/architecturalreef.html

Skills: Research, Problem-solving, Communication, Prototyping, Sketching, Visual Design

- Development of new simulation framework for synthetic coral reefs, enhancing sustainability and coral diversity.
- Advanced analytical methods to visualize eco-spatial phenomena and test dynamic design interventions.
- Engaged in continuous feedback with mentors to refine design over a year.
- Conducted extensive research, sketching, and developed illustrative graphics, 3D models, and prototypes.
- Applied strong problem-solving and communication skills throughout project duration.

Bird-Friendly Glass

Link: www.cmu.edu/cfa/cfa-magazine/issues/2021/assets/documents/cfamagazine-05-2021.pdf

Skills: Research, Communication, Client Meetings, Prototyping, Sketching, Visual Design

- Created awareness and provided a basis to encourage bird-friendly designs in the architectural field.
- Developed innovative building exteriors to enhance bird safety and optimize daylight performance.
- Addressed bird collisions with glass, exploring pattern designs to improve daylight distribution and human perception.
- Conducted biweekly meetings with American Bird Conservancy to refine pattern designs.
- Created 2D and 3D graphics using rhinoceros3D, enscape, photoshop, and illustrator to effectively present design solutions.
- Compiled glass facade panels generated from the Rhinoceros3D-Grasshopper software for client presentations.
- Designed and coded "bird-friendly" patterns using Rhino-Grasshopper, integrating stakeholder feedback.

Work Experience

Hart Howerton / Architectural Designer

August 2022 - Present

- Created comprehensive design packages and documentation for residential projects in Costa Rica and Alys Beach, Florida.
- Collaborated effectively with multidisciplinary design teams to produce immersive 2D and 3D visual representations, renderings, and illustrative diagrams using autocad, photoshop, sketchup, and enscape.
- Developed detailed sketches, 3D models, and presentation decks for client meetings.
- Incorporated client feedback and communicated efficiently with teams to implement changes, ensuring projects met deadlines and stayed within budget across various U.S. locations.
- Demonstrated high proficiency in creating 3D models and 2D graphics for different project phases, enhancing client presentations and drafting detailed drawing sets.

G70 Architects / Intern

June 2019 - August 2019, July 2020 - August 2020

- Worked on graphics, diagrams, and presentation for the AIA Honolulu Design Awards 2019 and 2020. Won first place for both submittals.
- Provided graphic support for various project teams by producing visual diagrams to convey design ideas using illustrator, photoshop, and sketchup.

“ Colleen's one-on-one communication skills are great when working with supervisors and peers. She also takes great notes for client calls / presentations. - 2023 Performance Review ”