

ELLE STAPLETON

design + build

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WORK EXPERIENCE

SINGULARITY UNIVERSITY

Designer and Prototyping Lead, SU Labs
Summer 2015-Present

Lead prototyping projects for partners in start-up and corporate innovation network from concept generation and sketches to 2D and 3D digital assets as well as looks-like and works-like physical prototypes utilizing a variety of high and low-tech tools. Worked closely with Design team to create service offerings to both internal and external clients. Designed and built several in-house large-scale installations to demonstrate manufacturing capabilities.

THE HYDROUS

Designer and Technical Advisor (Consultant)
Spring 2016-Present

Created physical artifacts using 3D scan data for education and fundraising. Spearheaded efforts to improve and automate 3D scanning and archiving methods in the field. Led projects with Smithsonian and Cal. Academy of Sciences to digitize coral collections and curate educational content.

IDEO CoLab

Prototype Builder (Consultant)
Fall 2016

Fabricated a series of prototypes for a client show about future concepts.

AUTHENTISE, INC.

3D Scanning and Printing SME
Spring 2015-Spring 2016

Developed 3D Printing and Scanning Kiosk in collaboration with Lowe's Innovation Labs. Consulted on various client projects from the technical and user experience perspective for 3D printing and scanning software solutions.

FATHOM

Design/Build Intern
Fall 2014 - Spring 2015

Designed and built Advanced Prototyping Lab, integrating injection molding, CNC mill and lathe, and other new tools into the 3D printing workflow. Contributed to internal design projects to demonstrate lab capabilities.

AUTODESK

3D Printing Instructor (Consultant)
Fall 2013-Summer 2014

Taught state-of-the-art 3D printing tech to employees at Pier 9 workshop.

TECHSHOP, INC.

Project Build Specialist
Summer 2011 - Summer 2014

Developed tools to facilitate member experience with machines, creating an environment that encourages safe and successful self-learning. Provided fabrication consulting and assistance for a variety of member projects.

Design is about storytelling and storytelling is always better with props. I create tools that help people imagine the future by trying it on for size.

EDUCATION

SAN FRANCISCO STATE UNIVERSITY

2008-2012
BS Industrial Design
concentration in Product Design

SKILLS + SOFTWARE

Fusion 360	● ● ● ● ● ○
Solidworks	● ● ● ● ○ ○
Rhino	● ● ● ● ○ ○
Mesh Editing	● ● ● ● ● ○
Illustrator	● ● ● ● ● ●
Photoshop	● ● ● ● ● ○
InDesign	● ● ● ● ○ ○

CNC+CAM [wood router, waterjet cutter, 4 axis mill, laser cutter and more]



Manual fabrication [mill, lathe, woodworking, vacuum forming, welding and finishing]



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