

WEBSITE

http://marissaallen.space

EMAIL

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MARISSA ALLEN

I have a BA and MS in CS from Dartmouth, developed an iPad app that converts a 2D sketch into a 3D pop-up card, experience as a project manager, developer, and designer on wide array of web, mobile, and rapid-prototyping projects. I'm looking to move to Boston and continue to learn and work full-time in iOS/React-Native/Web Dev & Design/Product Design.

EXPERIENCE

DALI Lab
Senior Designer/Developer
Staff
Hanover, NH
2014-2015

As a Senior Designer/Developer in the DALI lab, I managed and led web, iOS and product development projects, handling both the design and development aspects from beginning to end. I used my knowledge of iOS and web development to advise multiple web and iOS projects. My teams and I designed and 3D-printed a health-monitoring bracelet for computational jewelry, created a kindle holder that attaches to musical instruments, and animated infographics for Dartmouth's Center for Professional Development. I worked constantly with external partners to develop products to meet their needs.

Dartmouth College
Master's Research
Hanover, NH
2014-2015

I created an interactive 3D pop-up card design app in iOS. The user sketches a 2D design and that design is converted into a folding 3D representation in kirigami pop-up form. My role in this project was:

- transforming the 2D shapes drawn by the user into 3D planes
- rendering the interactive 3D simulation
- creating the vector output to send to a laser cutter

Dartmouth College
Teaching Assistant
Hanover, NH
Fall 2013

As a teaching assistant for the Introductory to Computer Science class, I worked with students on their lab homework:

- leading open-lab sessions in the evening
- teaching important concepts (such as parallel programming)
- answering questions and preparing my student section for upcoming labs
- grading labs and tests

EDUCATION

DARTMOUTH COLLEGE
2014-2015

Master's Degree
Computer Science with a Concentration in Digital Arts

DARTMOUTH COLLEGE
2010-2014

Bachelor's degree
Computer Science Modified with Digital Arts

PROFESSIONAL SKILLS

SWIFT ●●●●

SCENEKIT ●●●●

JAVA ●●●●

UNIX/BASH ●●●●

C++ ●●●●

HTML/CSS ●●●●

PYTHON ●●●●

VHDL ●●●●

PROCESSING ●●●●

C ●●●●

JAVASCRIPT ●●●●

ILLUSTRATOR ●●●●

PHOTOSHOP ●●●●

AFTEREFFECTS ●●●●

SOLIDWORKS ●●●●

MAYA ●●●●

ACHIEVEMENTS

GraDiFab Publication
2016

1st Eurographics Workshop On Graphics For Digital Fabrication
Foldings: A Tool for Interactive Pop-up Card Design
Marissa Allen, Nook Harquail, & Emily Whiting