

WEBSITE

<http://marissaallen.space>

EMAIL

marissaallen92@gmail.com



MARISSA ALLEN

I am an iOS developer with an MS in CS from Dartmouth who created an iPad app that converts a 2D sketch into a 3D pop-up card. I'm looking to move to Boston and continue to learn and work with new tools in iOS whether it be in design or development.

EXPERIENCE

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

The Dartmouth Leadership and Innovation Lab (DALI) creates a wide-range of products, from websites and mobile apps to product design and digital fashion, for a diverse group of community partners and professional customers. As a Senior Designer/Developer on the DALI team, my responsibilities included:

- leading product design and development on a wide range of projects
- working with DALI partners to define their goals, meet their needs and answer their questions
- leading and mentoring teams of undergraduate DALI students
- organizing and leading weekly meetings and major events (such as The Pitch hosted by DALI and the Dartmouth Entrepreneurial Network)

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

24-Hour Make-A-Thon
2nd Place
2014

Dartmouth Digital Arts Expo
Stop-motion animation: "Toast"
Marissa Allen & Ryan Smith

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