

WEBSITE

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MARISSA ALLEN

I love puzzles, and to me, every new programming project is another enticing puzzle. For the past year, I have been programming exclusively in Swift, so I am very experienced with the ins and outs of Xcode, Swift, and Scenekit. I am looking to continue working in iOS whether it be app design or programming. I am open to exploring different frameworks and learning new things, I recently started delving into Javascript by playing around with Facebook's React Native framework.

EXPERIENCE

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

The Dartmouth Leadership and Innovation Lab (DALI) Lab is a lab where student teams work with outside partners to create anything from websites and mobile apps to product design and digital fashion. My responsibilities included:

- answering programming and design questions
- helping organize events such as weekly meetings
- mentoring students on DALI projects, specifically for iOS
- product design and animations for partners who worked with the DALI lab

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

My research consisted of creating an interactive 3D pop-up card design app in iOS. The user sketches a 2D design and that design is converted into a 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. I:

- helped with open-lab sessions in the evening
- spent an hour every week preparing my student section
- answered questions and explained next week's lab
- graded both 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 ● ● ● ●