

# JULIANA NAZARÉ

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**Portfolio:** <http://juliananazare.com>

**Github:** JNazare

**Twitter:** @Ju1es\_

**LinkedIn:** JulianaNazare

## EDUCATION

**MIT Media Lab** (Cambridge, MA)

PhD in Media Arts and Sciences

Masters in Media Arts and Sciences

*Thesis: Tools for Supporting English Language Learning in the Family Context*

EXPECTED JUNE 2020

JUNE 2016

**Olin College of Engineering** (Needham, MA)

B.Sc. Electrical and Computer Engineering

JUNE 2014

## LANGUAGES

English mother tongue,

German proficiency

## EXPERIENCE

**Research Assistant**

**MIT Media Lab, Laboratory for Social Machines** (Cambridge, MA)

Working on social literacy learning technologies for children.

JULY 2016 - PRESENT

## PROGRAMMING

Python, Javascript,

Java, Arduino,

Scheme, Verilog, Perl

**Research Assistant**

**MIT Media Lab, Lifelong Kindergarten Group** (Cambridge, MA)

Developing tools to help adult learners who are learning basic literacy and numeracy in the United States. My masters thesis, which focuses on tools to support English-language learning in the context of the family, is a part of this work. This thesis centers on the design and study of the learning experience facilitated by "Read Out Loud," a mobile application I designed to support parents who are learning English to read storybooks with their children. Involved in other research projects, such as creating digital educational certificates that are verified through the blockchain.

JUNE 2014 - JUNE 2016

## WEB + MOBILE

Node.js, Angular.js,

Flask, HTML/CSS,

MongoDB, Express,

JQuery, Android, Flask,

Git

**Computer Science Student Researcher**

**MIT Lincoln Laboratory, Human Language Technology Group** (Lexington, MA)

Conducted natural language processing research to investigate if clusters of similar Twitter profiles can be discovered using time-topic patterns.

JUNE 2013 - MAY 2014

## SOFTWARE +

## HARDWARE

Proficient with Matlab,

Gephi, SolidWorks,

Linux, Arduino, HSpice

**Technical Associate**

**Startup Institute** (Cambridge, MA)

Created and ran Startup Institute's part-time program that helps students with little computer science background learn programming basics. Built a web application that is used by Startup Institute's instructors and students in Boston, NYC, and Chicago to view and edit curriculum, while allowing version-control of the curriculum across different locations.

OCT 2012 - MAY 2014

## CITIZENSHIPS

United States,

Germany

**Electrical Engineering Intern**

**Advanced Micro Devices** (Borlough, MA)

Worked on AMD's floating-point arithmetic team on both cell placement around macros and analyzing failed timing paths. Wrote programs used to analyze slack and hold times for thousands of paths and present them in an easy-to-read manner to circuit designers.

SUMMER 2012

**Mechanical Product Design Intern**

**Mozaic Design Services** (Panjim, India)

Led project to develop a attachable fixture for cooling a confined area around a bed with the aim of saving on electricity costs. Researched integration of thermoelectric devices and refrigeration coils into bed fixture. Built first prototype and tested how fixture would function and interface with the user.

SUMMER 2011

## ACTIVITIES

**Partner, Rough Draft Ventures**

Member of Rough Draft Ventures, the 10-person student investment team backed by General Catalyst Partners. Help source and invest between \$5-25K in early-stage startups within the Boston college community.

SEP 2013 - MAY 2014

**Instructor, MobileProto Course at Olin College of Engineering**

Co-taught a student-run course on mobile development. Course teaches Android, mobile design principles, rapid prototyping, and how to use collaboration tools such as Github.

SEP 2013 - DEC 2013

**Team Member, Odyssey of the Mind**

Spent 10 years participating in this creative, problem-solving, team competition. Won 1<sup>st</sup> place at the Odyssey of the Mind World Finals and many other awards over the years of my participation. This program is what sparked my interest in engineering.

2000 - 2010