

# JOSH DUHAY

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## education

### Bachelor of Science: Cognitive Science

2015 - 2019

University of California, San Diego

La Jolla, California

Specializing in Human-Computer Interaction with a minor in Computer Science and a minor in Design.

GPA: 3.37

## selected experience

### Interaction Design Intern

Jul 2017 - Sep 2017

EnVision Arts & Engineering Maker Studio and Birch Aquarium

Design, development, and implementation of interactive exhibits for Birch Aquarium at Scripps in preparation for Expedition (opening May 2018) which will embody the Aquarium's mission to engage and inspire people seeking to understand our planet, empowering action for a healthy Earth.

## selected skills

Java · C · Python · HTML + CSS · JavaScript · Unix · SPARC Assembly · Git · Jupyter · Final Cut Pro · Sony Vegas Pro · Adobe Photoshop

## selected coursework

Civic Design · Computational Linguistics · Computer Organization and Systems Programming · Data Science in Practice · Data Structures · Interaction Design · Language · Managing Diverse Teams · Object-Oriented Programming in Java · Research Methods and Statistical Analysis

## selected projects

### RFID Pathways

Designed and prototyped interactive touch-screen displays incorporating RFID technology to give Birch Aquarium visitors a personalized experience. By registering their preferences on an RFID card upon entry, visitors can scan their card at every exhibit terminal to view and navigate through information based on their language, academic preference, and professional interests. This information is easily and remotely updatable by Birch staff through a web application.

Tech: HTML, CSS, JavaScript, RFID, etc.

### Sarcasm Detector

Implemented a sarcasm detector for tweets by utilizing methods including part-of-speech tagging, bigram pattern matching, and sentiment analysis.

Tech: Python, Jupyter, NLTK, etc.

### Study Jam

Developed a collaborative note-taking web application that encourages periodic studying and friendly competition through the use of user-generated quiz questions and a leaderboard system to see who knows the material best.

Tech: HTML, CSS, JavaScript, etc.