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 · User Interface Design · User Experience Design · Prototyping

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 learning 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 preferences, and professional interests. Birch staff is given feedback on exhibit popularity and use, and they can easily update content 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.