JOSH DUHAY

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO
September 2015 – June 2019

B.S. Cognitive Science, Human-Computer Interaction.
Computer Science minor.
GPA: 3.37

EXPERIENCE

ENVISION ARTS & ENGINEERING MAKER STUDIO
Interaction Design Intern
July – September 2017

· Researched, designed, and prototyped ways to optimize learning and engagement in a museum environment.

· Developed a web application that handles user registration, displays interactive content at every exhibit personalized to individual preferences, and allows admins to edit content and push updates.

SELECTED PROJECTS

RFID PATHWAYS – INTERACTION DESIGN
Developed a web application incorporating RFID technology and touch-screen displays to give Birch Aquarium visitors personalized learning experiences based on their individual language, academic level, professional interests, etc.
Tech: HTML, CSS, JavaScript, RFID, etc.

SARCASM DETECTION – COMPUTATIONAL LINGUISTICS
Prototyped a sarcasm detector for tweets using bigram pattern matching, POS tagging, and sentiment analysis.
Tech: Python, NLTK, etc.

STUDY JAM – INTERACTION DESIGN
Developed a collaborative note-taking web application that encourages periodic studying and friendly competition through user-generated quiz questions.
Tech: HTML, CSS, JavaScript, NodeJS, etc.

AV ONDEMAND – HUMAN-CENTERED DESIGN
Researched and prototyped a solution that eliminates rider takeover responsibilities in autonomous vehicles by utilizing remote technology and human service – positively impacting handicapped communities while still remaining feasible with existing technology.
Tech: AVs, remote technology, human service

SKILLS & TOOLS

PROGRAMMING
Java · C · Python · HTML + CSS · JavaScript · SPARC · Unix · Git

MEDIA
Adobe Photoshop · Final Cut Pro · Sony Vegas Pro

DESIGN
User Interface Design · User Experience Design · Human-Centered Design · Speculative Design

INTERPERSONAL SKILLS
Empathy · Collaboration · Creativity · Leadership · Communication

RELEVANT COURSEWORK

· Interaction Design

· Civic Design

· Object-Oriented Programming in Java

· Computer Organization and Systems Programming

· Data Science in Practice

· Data Structures

· Computational Linguistics

· Managing Diverse Teams

· Research Methods and Statistical Analysis