

Hiram Moncivais

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EDUCATION

Massachusetts Institute of Technology

2014-2018

B.S. in Computer Science & Engineering

- Relevant coursework: Algorithms, Software Construction, UI Design and Implementation, Computation Structures, Intro to EE and CS, Mathematics for CS, Differential Equations, Computational Media Design
- Current (Fall 2016): Artificial Intelligence, Software Studio, Design and Analysis of Algorithms

WORK

Google | Engineering Practicum Intern

Summer 2016

- Created page with visualizations of planning and validation data for Google's supply chain planning tool.
- Previously, there was no dedicated view of validation data. My project gives users a historical overview of data as well as a detailed view of why validation errors occurred.
- Utilized Angular for frontend, Java for retrieving backend data, and Karma and JUnit for testing.

MIT Media Lab, Personal Robots Group | Research Assistant

Jun - Dec 2015

- Designed and launched study with over 500 participants using Amazon Mechanical Turk. Found that having a background story greatly boosts a robot's capacity to induce empathy in people.
- Analyzed and visualized data from study with D3.js and Python.
- Developed automatic projector calibrator system with Python, Pygame & OpenCV for mixed reality system.

McGovern Institute for Brain Research at MIT, Gabrieli Lab | Research Assistant

Jan - May 2015

- Developed Python and Praat scripts for audio data analysis for study analyzing the neural mechanisms underlying language impairment and autism.
- Used Freesurfer (brain MRI analysis software) for image stabilization of subjects' brain scans.

PROJECTS

Spotifeel

Jun 2016

- Visualizing emotions from song titles using D3.js, Spotify API, and Indico API.

Timeless Art

May 2016

- Web exploration of how works of art would change if they had been painted at different times of the day.

MyBucket

Jan 2016

- Meteor web application to keep track of your bucket list and find opportunities to fulfill your wishes.
- MIT Web Programming Competition (6.148/6.470) finalist.

Positivity

Sep 2015

- Sentiment analysis Android app using Indico API (made in HackMIT 2015).

LEADERSHIP

HackMIT | Marketing Committee & Organizer

Mar 2016 - Present

MIT Design for America | Publicity Director

Feb 2016 - Present

MIT Technique Yearbook, Photo & Design Club | Publicity & Contributing Editor

Oct 2014 - Present

SKILLS

Languages | Python, Java, JavaScript, HTML5, CSS3, C++, Bash

Libraries/Frameworks | Angular.js, Meteor, Node.js, Express, jQuery, D3.js, ROS, OpenCV, Android

Tools | Photoshop, Illustrator, Git, MongoDB, Arduino, iPython