

Samir Wadhwan

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EDUCATION

Massachusetts Institute of Technology

Class of 2018

B.S. Aerospace Engineering, Electrical Engineering and Computer Science

EMPLOYMENT

Northrop Grumman - Software QA Engineering Intern

Summer 2015

- Performed software source code and test procedure reviews at the Unmanned Systems Center of Excellence in San Diego, CA
- Identified two opportunities for improvement and created initiatives to make processes more efficient as well as provided a solution for weakness in system
- Awarded a Performance Recognition Award – created VB and DXL scripts to automate batch importation and linking of test cases into DOORS database

Integrated Robotics Group @ CSAIL - UROP

Fall 2015 - Present

- Working on optical character recognition to read the status of the labor floor from hand-written notes on a white board
- Tackling gesture/speech recognition to determine and communicate decision recommendations utilizing machine learning and algorithms via robotic speech

PROJECTS

Common Cents - Software Engineer (Backend)

Rails

- Developing Rails app to provide online merchants with a framework to easily allow customers to donate to charity

Fuse - School's Out Hackathon Summer 2014

Parse, iOS Dev

Mashape API Prize, Facebook Prize, Top 5 Finalist

- Created iOS app to find people in the immediate area with similar interests and likes to generate friendships and meetups

Various hackathons – 2014, 2015

iOS Dev

Rdio API Winner, Echonest API Winner, Finance Tech Winner, Top 10 Finalist

EXTRACURRICULARS/LEADERSHIP

MIT Rocket Team - Avionics Subteam Captain

Fall 2014 - Present

- Leading avionics subteam in developing sensor and telemetry system, designing custom circuit boards, and maintaining constant communication with rocket

Dorm Floor Exec. - Webmaster

Fall 2014 - Present

- Developing a website for the floor from scratch using Wordpress and Javascript

The Tech Newspaper - Production Editor

Spring 2015 - Present

- Responsible for layouts, designs, and overall quality of MIT's oldest newspaper, and contributing to online UX experience

SKILLS/CLASSES

Proficient: Objective-C, iOS Development, XCode, Sublime, Parse, REST APIs

Familiar: C++, DXL, HTML, CSS, Javascript, Python, Photoshop, MATLAB

Relevant Courses Taken (through Fall 2015):

6.01 — Intro to EECS I

18.03 — Differential Equations

6.042 — Math for Computer Science

16.00 — Introduction to AeroAstro

6.006 — Introduction to Algorithms

16.001/002 — Unified Engineering I/II