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DANNI TANG | RESUME

JOHNS HOPKINS WHITING SCHOOL *of* ENGINEERING

NYU | TANDON SCHOOL OF ENGINEERING

❱ Citizenship: American

❱ Status: Electrical Engineering, M.S., Graduated December 2016

❱ Academics: Cumulative GPA: 3.38, Engineering GPA: 3.5

❱ Fields: Electrical & software engineering, digital signal processing

❱ Other: English composition, grammar, proofreading, and copy-editing

Education

2014 - 2016	**Electrical Engineering, M.S. candidate**	New York University

❱ Concentration: Digital signal processing

❱ Relevant courses: Digital Signal Processing I & II, Digital Signal Processing Lab, Intro to Systems Engineering, Control and Optimization of Cyber-Physical-Human Networks

2009-2013	**Biomedical Engineering, B.S.**	Johns Hopkins University

❱ Minor: Applied Mathematics and Statistics

❱ Honors: Dean's List

Programming Proficiency

Python	★★★★☆	PyAudio, audio signal processing
MATLAB	★★★★★	Mathematical modeling, matrix calculations, signal processing
JS, HTML, CSS	★★★☆☆	Website to host final build of audio project
C++	★★☆☆☆	Data structures, class assignments
LaTeX	★★★★☆	Templates, beamer presentations, written reports

Projects

2016	**Advanced Project**	New York University

❱ Basic voice command assistant built using PyAudio and Raspberry Pi

❱ Uses the speech recognition library and Google Speech API to search for user inquiries and display results from Google Search

2015	**Digital Signal Processing Lab Final Project**	New York University

❱ Musical synthesizer & visualizer coded in JavaScript, HTML, and CSS

❱ Final build hosted at http://souloist.github.io/Fun-thesizer

2009	**Senior Design**	Johns Hopkins University

❱ Used microfabrication techniques such as photolithography and metal deposition in the development of the device

❱ Microfabricated several devices with different micro-structures and dimensions for device testing