Andrew Manoel Rodriguez

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OBJECTIVE

I am interested in contributing to a company that fosters a functional understanding of electronics design to positively affect the energy consumption of the average consumer.

EDUCATION

Rutgers University, New Brunswick, NJ   May 2014
Bachelor of Science in Electrical and Computers Engineering
(Minor in Physics)

PROJECTS

Brain-to-Phone Linking Application
Using the NeuroSky Mindware Mobile headset, created an Android application to associate phone events with facial gestures, making the phone a hands-free platform.

Skittles Sorter
Created a functioning machine to sort Skittles candies by color using Arduino hardware and the Arduino IDE.

Personal Blog
Starting September 2014, I created and manage my own blog centralized around technology, science, and general lifestyle material. It can be viewed at the QR code on the bottom-right.

SKILLS & COURSES

Hardware: Power tools, Arduino, Mechanic and D-I-Y knowledge
Software: MATLAB, OrCAD, SolidWorks, C++, HTML, CSS, Windows, Linux, OSX
Languages: English, Spanish, working on Italian
Classes: Analog Electronics, Computational Neuroimaging, Digital Signal Processing

MEMBERSHIP AND EXPERIENCE

The Daily Targum – Science Co-Founder
Coordinated writers and interviews as well as served liaison with The Daily Targum managing staff. The section, birthed in 2012, is now five writers strong.

Hack RU
Participated in the biannual Rutgers hack-a-thon hardware competitions, where students from various schools unite minds to create innovative technology.

Rutgers Makerspace
Retired participant of the New Jersey Makerspace movement – mainly assisted Rutgers students with designing and implementing self-motivated hardware projects.