Sheng Ma

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EDUCATION

Master of Science: Computer Engineering **Sep. 2017 - Present**
Northwestern University Evanston, IL
Cumulative GPA: 3.133 /4.0 Expected Graduation: Dec. 2018

Bachelor of Science: Electrical Engineering **2015 - 2017**
University of Missouri - Columbia Columbia, MO
Cumulative GPA: 3.7 /4.0

Bachelor of Science: Automation **2012 - 2015**
East China University of Science and Technology(ECUST) Shanghai , China

SKILLS

- Programming Languages: C, Java, Python, VHDL, HTML, CSS, JavaScript, bootstrap, jQuery, MySQL
- Experience in web design, deep learning, operating system, computer architecture

PROJECTS

Human & Computer Interaction, Evanston, IL **Jan 2018 – present**

Main page: *https://masheal.github.io/*

***Press Any Key* (howler.js, paper.js, JavaScript, HTML, CSS)**

- https://masheal.github.io/Circles/Circles.html(hint: Just press any key on your keyboard)
- Designed a little toy with howler.js and paper.js. By pressing different keys, circles with various of colors are generated all over the screen with random locations, and fadeout immediately.

To Do List (*jQuery, HTML, CSS*)

- https://masheal.github.io/ToDoList/index.html
- Built a To Do List with jQuery, HTML and CSS. With the help of jQuery, operations such as cross out, delete, add are enabled. Meanwhile, the fadein and fadeout effect of input row and delete icon are enabled as well.

Color Guessing Game (*JavaScript, HTML, CSS*)

- https://masheal.github.io/colorGuessingGame/colorGuessingGame.html
- Built a Color Guessing game with JavaScript, HTML and CSS. With the use of JavaScript, player can choose either hard mode or easy mode, which will make the number of squares from 6 drops to 3. Also, the value of RGB and color of squares are generated randomly. What's more, fadeout and fadein effect are enabled when player choose the wrong or right answer.

Website Design (*JavaScript, HTML, CSS, Bootstrap*) **Jan 2018 – Mar 2018**

- https://masheal.github.io/lifelongLearningWeb/main_page.html(username:shengma2019@u.northwestern.edu password:123)
- Designed a lifelong learning website. Bootstrap is applied to design the style of the website.
- Twitter timeline is embedded inside the website.
- Youtube video is embedded for user to watch video without going to www.youtube.com.
- https://masheal.github.io/ (lifelong learning website: username: shengma2019@u.northwestern.edu password:123)

Solar Powered Phone Charging Station, Columbia, Missouri **Jan 2017 – May 2017**

- https://masheal.github.io/MUCapstone/Final%20presentation.pdf
- Built temperature controlled fan, pressure sensor, and button controlled door based on Ardunio.
- Whenever temperature of battery is over a certain point, fan starts to work to ensure a proper working environment for battery.
- Pressure sensor is used to sense the presence of phone, battery will be force to stop working if user's phone is not in the charging cell.
- Button controlled door is used to open the door of the charging cell.