

# Shuting Zhang

[ShutingZhang2021@u.northwestern.edu](mailto:ShutingZhang2021@u.northwestern.edu)

(773)-516-3269

## EDUCATION

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**Northwestern University**, Evanston, IL

Anticipated December 2020

- Master of Science in Electrical Engineering, GPA: 3.7/4.0

**Harbin Institute of Technology(HIT)**, Weihai, China

September 2015 - July 2019

- Bachelor of Engineering in Automation, GPA: 3.6/4.0

## SKILLS

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- Proficiency in JavaScript, HTML5&CSS, Python and MATLAB
- Experience in image processing, computer vision and machine learning

## EXPERIENCE

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**Course Project of Human Computer Interaction**, Evanston, IL

April 2020 - May 2020

- Built a mobile music player application using HTML, CSS, and JavaScript

**Course Project of Computer Vision**, Evanston, IL

September 2019 - December 2019

- Tracked the motion of the moving object in a given video
- Implemented image inpainting technique by synthesizing image texture

**Course Project of Biometrics**, Evanston, IL

September 2019 - December 2019

- Studied the traditional algorithms and deep neural networks for face recognition methods
- Built a deep learning based pipeline for face recognition

**Summer Research Program**, Chinese Academy of Sciences, Beijing, China

July 2018 - August 2018

*Research Assist*

- Used Matlab to build a self-balancing robot simulation system, assisted in the work of Sensor attitude calculation and motored closed-loop control based on Arduino platform
- Improved knowledge of control algorithm like PID algorithm and its application in robots
- Worked as the teamwork presenter to give a detailed overview of the design process of the self-balancing robot

**The Professor's Lab**, Harbin Institute of Technology, Weihai, China

June 2018 - June 2019

*Student*

- Programmed with python to detect the blur length of motion blur for gastroscopic images, analyzed and evaluated if the gastroscope image could be applied for diagnosing according to the blur length
- Participated in patent of "A Thyroid Disease Diagnosis Method Based on SPECT Imaging" and publication of "Big Data Prototype Practice for Unmanned Surface Vehicle"

## ACTIVITIES

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**Speaker**, The 4th International Conference on Communication and Information Processing November 2018

**Organizer**, New Century Forum of Harbin Institute of Technology

October 2015 - June 2017

**Volunteer**, Water Environmental Protection Projects of HIT

November 2015