

## Yu Jiahui

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### OBJECTIVE

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To pursue Internship Summer 2022

### EDUCATION

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#### NORTHEASTERN UNIVERSITY (NEUQ)

Qinhuangdao, China

*Degree: Bachelor of Engineering*

2017-2021

Major: Electronic Information Engineering

**Rank: 15/182**

#### RICE UNIVERSITY (Rice)

Houston, TX

*Degree: Master of Engineering*

2021-2022

Major: Electrical and Computer Engineering

### ACADEMIC EXPERIENCE

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#### 2018-2019 2<sup>nd</sup> semester **Electronic Technology Practice**

- Welding HX108 Seven-tube semiconductor radio

#### 2019-2020 1<sup>st</sup> semester **Microcontroller Technology Course Design**

- Design functions and programming based on 51 single chip microcomputers

#### 2019-2020 2<sup>nd</sup> semester **Integrated Course Design for Information Processing and Electronic System**

- Auxiliary navigation based on image processing

#### 2020-2021 **Final Project**

- Image Style Transfer Based on CNN

#### 2021 Fall **Final Project**

- Analysis the traffic crashes in the New York City (R)
- Hidden Markov Model report (Machine Learning)

### INTERNSHIP EXPERIENCE

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#### Jan 2021-Mar 2021 **Test Engineering Internship**

Iflytek Co.Ltd, Heifei, China

- Prepared test cases
- Wrote script for accelerating statistical analysis of test result data (in Python)
- Competitive product survey and competitive product testing (in Go)

### AWARDS AND HONORS

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- The S prize of Mathematical Contest in Modeling in 2019 and 2020
- The second prize in Hebei Province of Contemporary Undergraduate Mathematical Contest in Modeling
- The first prize in the National Final of 2018 'Sai Bai Te Cup' National College Student Intelligent Internet innovative Application Design Competition
- The third prize of The 12<sup>nd</sup> iCAN International Contest of innovation 2018 in Hebei Province
- The third prize of Group A of C/C++ Programming University in Hebei Province of the 9<sup>th</sup> 'Lan Qiao

Cup' National Software and Information Technology Professional Competition.

- The second prize of Hebei Province University Student Programming Contest in 2017
- The third prize of Hebei Province University Student Programming Contest in 2018
- The third prize scholarship of the 2017-2018 school year (2nd semester)
- The third prize scholarship of the 2018-2019 school year (1st & 2nd semester)
- The second prize scholarship of the 2018-2019 school year (1st & 2nd semester)
- NEUQ Innovation and entrepreneurship scholarship (2017-2018 & 2018-2019 & 2019)

## PUBLICATION

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<i>The Design and Implementation of Customer Traffic Statistics Analysis System Based on Wi-Fi Sniffing Technology</i>	The 2019 IEEE 3rd International Conference on Electronic Information Technology and Computer Engineering
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## PERFESSIONAL SKILLS

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### PROGRAMMING LANGUAGE

- MATLAB: Took optional course in the 1<sup>st</sup> semester of my senior year
- C++: Compulsory course in the 1<sup>st</sup> semester of my freshman year (OpenCV in my junior year)
- Python & HTML5: Self-study because of interest (python also used in the machine learning course)
- Go: Learning during internship at the Iflytek
- R: Took the R programming course in 2021 fall (also used in the machine learning course)

### HARDWARE

- Proteus & Keils: Course Design (51 single chip microcomputer) & LabView
- Handbooks reading

## OTHER

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### NON-ACADEMIC EXPERIENCE

#### 2018-2019 The Minister of Finance Department in ACM Club

- Coordinate income and expenditure of the club
- Participate in the organization of 'Turing Cup'(a programming competition organized by ACM Club)
- Participate in the organization of the online course offered by ACM Club for neophytes of programming

#### 2019/8 Volunteer Work at China Conservation and Research Center for The Giant Panda

- Cleaning the cages & feeding

### MUSICAL INSTRUMENTS

- Chinese zither: Obtained amateur level 10 certificate