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## Zuyan Chen

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<b>Current Position:</b>	Principle Investigator, Edge Intelligence And Predictive Maintenance, NeuHelium.
<b>Date of birth:</b>	4 July 1998
<b>Contact Number:</b>	China (+86) 17746645473
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### 1. EDUCATION

<b>Sep, 2016 - Jun, 2020</b>	<b>BE</b>	Jiangxi University of Science and Technology, Ganzhou, China
	Department of Information Engineering BE in Communication Engineering,	
<b>GPA</b>	<b>83.66/100</b>	

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### 2. FIELDS OF INTEREST

- TinyAI Method In Edge Intelligence
  - Predictive Maintenance
  - Machine Vision Based Embedded Systems
  - Deep Learning And Reinforcement Learning
  - Brain-Computer Interaction And Its Application In Augment Reality And Virtual Reality
  - Human-Computer Interaction Technologies
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### 3. HONORS / AWARDS

1.	1st In Baidu AI Studio “Q&A Abstract And Reasoning” Competition	Mar, 2020
2.	10th In Baidu AI Studio “Chinese Scene Words Recognition” Competition	Jan, 2020
3.	2nd In Baidu China Collegiate Computing Contest And Artificial Intelligence Innovation Contest	Hangzhou, China, Nov, 2019
4.	1st Prize (Long Ding Prize) Of Provincial 3D Design Show	Beijing, China, July, 2019
5.	3rd Prize Of “Tai Di Cup” Data Mining Race	Guangzhou, Guangdong, China, July, 2019
6.	2nd Prize Of Artificial Intelligence Contest Item Of Computer Competition	Beijing, China, June, 2019
7.	Honorable Mention Of 2019 MCM/ICM (Mathematical Contest In Modeling/Interdisciplinary Contest In Modeling)	March, 2019.
8.	2nd Prize Of 2018 Asia And Pacific Mathematical Contest In Modeling	Feb, 2019.
9.	Provincial 1 <sup>st</sup> Prize Of China Undergraduate Mathematical Contest In Modeling	Dec, 2018
10.	2nd Prize Of May Day Mathematical Contest In Modeling	Mar, 2018
11.	Honors Graduate Of Jiangxi University Of Science And Technology	Jun, 2020
12.	Honors Graduation Thesis Of Jiangxi University of Science and Technology	Jun, 2020
13.	1st-Class Scholarship Of Jiangxi University of Science and Technology	2019-2020 Academic Year
14.	1st-Class Scholarship Of Jiangxi University of Science and Technology	2018-2019 Academic Year
15.	1st-Class Scholarship Of Jiangxi University of Science and Technology	2017-2018 Academic Year
16.	2nd-Class Scholarship Of Jiangxi University of Science and Technology	2016-2017 Academic Year

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## 4. Completed Research Projects

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2020.10-2021.4	Shanghai Intelligent Neighborhood Committee (Has Been Piloted In Xuhui District) Cooperators: Prof Shuai Li, Prof Xiangyuan Jiang
2020.8-2021.3	Shanghai Subway Gate Predictive Maintenance (Has Been Piloted In Shanghai Station) Cooperators: Prof Shuai Li, Prof Xiangyuan Jiang
2019.12-2020.4	Hybrid Force And Motion Control And Its Application In Massage Robot Supervisor: Prof Shuai Li
2019. 7-2019. 9	Automatic Security Check And Dangerous Items Alarm System Supervisor: Prof Liefu Liao
2019.4-2019.6	Research For Efficient Small Sample Process In Real-Time Diagnosis System Supervisor: Prof Chundong Xu Code: <a href="https://github.com/Knightsl/Real-time-wired-detection-system">https://github.com/Knightsl/Real-time-wired-detection-system</a>
2018.12-2019.4	Integration Service Robot (ISR) And Its Collaboration Platform Supervisor: Prof Ata Jahanjir moshayedi

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## 5. Publication and Patent

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### A. Patent

1. One-Measurement Beetle Antennas Search Algorithm, Application Number: 202110120520.6
2. A Novel Architecture Pipe Robot, Patent Number: CN201910287625.
3. Distributed System Embedded Robot With Highly Integrated Modular Design, Patent Number: CN201910418118.
4. An Approach To Realize Asymmetric Oscillation Death In A Coupled Vibration Subsystem, Patent Number: CN201910476202.

### B. Papers Presentation At International Conference:

1. Moshayedi Ata Jahangir , **Zuyan Chen**, Liefu Liao, Shuai Li, “ *Portable Image Based Moon Date Detection And Deceleration: System And Algorithm Code Sign*”, CIVEMSA 2019, June 2019.
  2. Moshayedi Ata Jahangir , **Zuyan Chen**, Liefu Liao, Shuai Li, “ *Kinect Based Virtual Referee For Table Tennis Game: TTV (Table Tennis Var System)*”, ICISCE 2019, Oct 2019.
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## 6. Skills

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Python, TensorFlow, PaddlePaddle, OpenCV, Java, Arduino, RPI, Stm32, Matlab, FPGA (Verilog HDL), C++, AutoCAD.

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## 7. References (Will Be Available Upon Request):

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### Prof Shuai Li

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Associate Professor (Reader), Engineer College, Swansea University, Swansea, U.K.

### Prof Xiangyuan Jiang

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Associate Professor, Institute Of Marine Science And Technology, Shandong University, Qingdao, China

### Prof Liefu Liao

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Professor, Information Engineering Department, Jiangxi University Of Science And Technology, China.

### Prof Ata Jahanjir Moshayedi

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Associate Professor, Information Engineering Department, Jiangxi University Of Science And Technology, China.

### Prof Chundong Xu

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