

# Ning-Hsu Wang

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## Education

MS	National Tsing-Hua University Electrical Engineering	2018.01 - Present
BS	National Chiao-Tung University Mechanical Engineering	2013.09 - 2017.06

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## Experiences

2018~present	<b>Vision Science Lab, Electrical Engineering, National Tsing Hua University</b>
2018	<b>Young Entrepreneurs of the Future, Epoch Foundation (2018.01~2018.07)</b>
2017	<b>Atos On-site Engineer (2017.08)</b> -Internet System Maintenance 2017 NCKU Badminton Open
2017	<b>Tokyo Electron Limited Robot Combat</b>
2014 ~ 2016	Programming Education Product Sales (part time) -Taipei International Automation Exhibition Sales -Department Store Clerk CSL (College Sports League) Badminton Competition, Mechanical Engineering Department CSL Badminton Competition, Mechanical Engineering Department, Northern Taiwan
2015	<b>Hsin-Chu District Badminton Competition Umpire and Service Judge</b> 2015 NCKU Badminton Open
2014	University System of Taiwan, Badminton Invitational Competition -Website Management and Promotion
2013	CSL Badminton Competition of Mechanical Engineering Department, Northern Taiwan

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## Projects

2018~present	<b>360 Depth Estimation</b> <ul style="list-style-type: none"><li>• Python</li><li>• Deep Learning Application on Pytorch</li></ul>
2017	<b>Design of Logistic UAV (Unmanned Aerial Vehicle)</b> <ul style="list-style-type: none"><li>• UAV Surveillance</li><li>• Wireless unloading motor control</li><li>• Unloading device design</li><li>• Body design</li></ul>
2016	<b>Implementation of "The Lambda Method for Integer Ambiguity Estimation"</b> <ul style="list-style-type: none"><li>• Matlab simulation</li></ul> <b>Object Searching Robot Design</b> <ul style="list-style-type: none"><li>• Labview programming</li><li>• Ultrasonic avoidance design</li><li>• Image processing</li><li>• Image feedback</li><li>• Motor control</li></ul>

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## Abilities and Certifications

Programming	<b>C/C++, Python, Assembly, HTML, CSS, Javascript</b>
Software	Industrial Control & Simulation: <b>Labview</b> Mathematic Simulation: <b>Matlab</b> Electrical Circuit Simulation: <b>LTSpice</b> Computational Fluid Dynamics Simulation: <b>ANSYS-Fluent</b> Computer-aided Design Drafting Software: <b>Autocad, Solidwork</b>

<b>Hardware</b>	<b>Arduino, 8051</b>
<b>Language</b>	<b>English: TOEIC Golden Certification (Score:900)</b> Japanese: 4 semester German: 1 semester French: 1 semester
<b>Awards</b>	
<b>2018</b>	NTHU Badminton New-Entrance Competition, Team Competition, Second Place
<b>2016</b>	CSL Badminton Competition, Mechanical Engineering Department, Team Competition, Third Place
<b>2015</b>	CSL Badminton Competition, Mechanical Engineering Department, Northern Taiwan, Team Competition, Third Place
<b>2014</b>	NCTU Sports Competition, Shot put, Fourth Place
<b>2012</b>	The Best High School Service Team of Taipei
<b>Clubs</b>	
<b>2013 - 2017</b>	NCTU Department Badminton Team
<b>2014 - 2017</b>	NCTU Piano Club
<b>2013</b>	NCTU Guitar Club

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