

Ning-Hsu Wang

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Education

MS	National Tsing-Hua University Electrical Engineering GPA: 4.3 / 4.3	2018.01 – Present
BS	National Chiao-Tung University Mechanical Engineering GPA: 3.41 / 4.0, Last 60: 3.67 / 4.0, Ranking: 13 / 49, 25 / 99	2013.09 - 2017.06

Experiences

2018~present	Vision Science Lab, Electrical Engineering, National Tsing Hua University
2018	Young Entrepreneurs of the Future, Epoch Foundation (2018.01~2018.07) -YEF Garage Party (Second Place), YEF Elevator Pitch, YEF Workshop 2018 NCKU Badminton Open
2017	Atos On-site Engineer (2017.08) -Internet System Maintenance 2017 NCKU Badminton Open
2017	Tokyo Electron Limited Robot Combat
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	Hsin-Chu District Badminton Competition Umpire and Service Judge 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

Publications

2019	360SD-Net: 360° Stereo Depth Estimation with Learnable Cost Volume <ul style="list-style-type: none">• Ning-Hsu Wang, Bolivar Solarte, Yi-Hsuan Tsai, Wei-Chen Chiu, Min Sun• International Conf. on Computer Vision 2019 (ICCV 2019) Workshop
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Projects

2018~present	360 Stereo Depth Estimation and 3D Reconstruction <ul style="list-style-type: none">• Python• Deep Learning Application on Pytorch
2017	Design of Logistic UAV (Unmanned Aerial Vehicle) <ul style="list-style-type: none">• UAV Surveillance• Wireless unloading motor control• Unloading device design• Body design
2016	Implementation of “The Lambda Method for Integer Ambiguity Estimation” <ul style="list-style-type: none">• Matlab simulation Object Searching Robot Design <ul style="list-style-type: none">• Labview programming• Ultrasonic avoidance design• Image processing• Image feedback• Motor control

Abilities and Certifications

Programming	C/C++, Python, Assembly, HTML, CSS, Javascript
DL FrameWork	Pytorch, TensorFlow
Software	Industrial Control & Simulation: Labview Mathematic Simulation: Matlab Electrical Circuit Simulation: LTSpice Computational Fluid Dynamics Simulation: ANSYS-Fluent Computer-aided Design Drafting Software: Autocad, Solidwork
Hardware	Arduino, 8051
Misc.:	OpenCV, GitHub, Vim, Linux, LaTeX
Language	Fluent in Mandarin (Native) Proficient in English, TOEIC Golden Certification (Score:900) Elementary Proficiency Japanese (4 semesters)
Awards	
2018	Young Entrepreneurs of the Future Garage Party, Epoch Foundation Second Place NTHU Badminton New-Entrance Competition, -Team Competition, Second Place NCKU Badminton Open -Mix Double, Out of Cycle
2016	CSL Badminton Competition, Mechanical Engineering Department, -Team Competition, Third Place
2015	CSL Badminton Competition, Mechanical Engineering Department, Northern Taiwan, -Team Competition, Third Place
2014	NCTU Sports Competition, Shot put, Fourth Place
2012	The Best High School Service Team of Taipei
Clubs	
2013 - 2017	NCTU Department Badminton Team
2014 - 2017	NCTU Piano Club
2013	NCTU Guitar Club
