

## Hailun (Helen) Wu

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### Education Background

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**New York Institute of Technology (NY, US)**

**Jan. 2022 – Present**

**Program:** Ph.D. in Engineering

**Academic Excellence:** Ph.D. Scholarship

**New York Institute of Technology (NY, US)**

**Sept. 2020 – Dec. 2021**

**Program:** Master of Science in Computer Science

**Academic Excellence:** Graduate Fellowship

**New York Institute of Technology (NY, US)**

**Sept. 2017 – May. 2019**

**Degree:** Master of Science in Electrical and Computer Engineering; **GPA:**4.00/4.00

**Academic Excellence:** Graduate Fellowship and Graduated with distinction

**Shenzhen University (Shenzhen, China)**

**Sept. 2013 – Jun. 2017**

**Degree:** Bachelor of Engineering in Opto-electronics Engineering

**Leadership Excellence:** Students' Union

### Work Experiences

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**New York Institute of Technology**

**Jun. 2019 – Jun. 2020**

Full-Time Research Assistant

- Proposed theories, designed 3D simulated models using AutoCAD software, and built data acquisition systems controlled by MATLAB using 3D printer and RF off-the-shelf components to perform experimental validations for the proposed theories
- Performed data cleaning and analysis on electromagnetic data of various 3D simulated and experimental models using MATLAB
- Published papers as first author in journals (e.g., IEEE Transactions) and conferences
- Supported by US national science foundation (NSF), award No. 1920098.

**EMTEK (Shenzhen) Co., Ltd.**

**Jun. 2016 – Sept. 2016**

Quality Assurance Analyst Intern

- Helped develop workflow protocols to evaluate safety concerns in the testing process
- Forecasted and analyzed potential issues and pinpointed specific solutions for customer-facing products

### Summary

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- **Languages:** English, Mandarin, and Cantonese
- **Programming Languages:** Python, Java and Shell Script
- **Statistical analysis tools:** Python, Spark, Bokeh, Gurobi, MATLAB, and SQL
- **Simulation model:** FEKO
- **Research Area:** game theory, behavior modeling, machine learning