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# Yike Wang

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## ***Educational Background***

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### **09/2014-06/2018 Soochow University**

- ✓ **Major:** Opto-Electronics Information Science and Engineering
- ✓ **School:** College of Physics, Optoelectronics and Energy
- ✓ **Degree:** Bachelor of Engineering

### **01/2019-05/2019 Case Western Reserve University**

- ✓ **Major:** Electrical Engineering
- ✓ **School:** Department of Electrical Engineering and Computer Science
- ✓ **Degree:** Master of Engineering
- ✓ **Advisor:** Philip Feng
- ✓ **Interest:** Solid State Devices, NEMS.

### **09/2019-now University of Florida**

- ✓ **Major:** Electrical Engineering
- ✓ **School:** Electrical and Computer Engineering
- ✓ **Degree:** Master of Engineering
- ✓ **Advisor:** Philip Feng
- ✓ **Interest:** Solid State Devices, NEMS.

## ***Internship Experiences***

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### **07/2018-12/2018 Assistant Instructor, Baff English**

- ✓ Assisted teaching in different levels of courses
- ✓ Dealing with students studying problem
- ✓ Assisted managing campus order

### **07/2017-09/2017 Assistant Engineer, Chongqing Ecom Networking Technology Co., Ltd IT Integrated System**

- ✓ Assisted engineer with completing project technical files, blueprint, and budget and quotation list
- ✓ Assisted engineer with understanding and analyzing customers' demand

### **07/2016-08/2016 Assistant Engineer, Chongqing Ecom Networking Technology Co., Ltd Light-current System**

- ✓ Participated in testing and checking of the light-current products
- ✓ Identified and numbered the stations in the light-current design drawing

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## ***Academic Experiences***

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### **11/2017-04/2018 Research on Optimization of a Si-SiO<sub>2</sub> Waveguide Coupler for Photonic Integrated Circuits**

- ✓ Read and researched literature to have a comprehensive understanding of the current research status of waveguide coupler
- ✓ Learned Comsol Multiphysics simulation software and designed some waveguide simulation models using the software
- ✓ Changed various parameters and got the ideal waveguide materials with transmissivity reached up to 99.3%
- ✓ Wrote papers and published at IEEE Circuits and Systems

### **Graduation Thesis: Study on Optical Properties and Waveguide Effect of Metal Nanoparticles**

- ✓ Through studying the surface plasmon effect of metal nanoparticles to prepare waveguide in nanoscale, so the plasmon waveguide based on sub-wavelength is not limited by the optical diffraction limit, the loss is low and the transmission efficiency is extremely high.

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## ***Publications***

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**Yike WANG (2018) Optimization of a Si-SiO<sub>2</sub> Waveguide Coupler for Photonic Integrated Circuits, *Circuits and Systems*, Vol.9 No.4, 04/2018**

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## ***Extracurricular Activities***

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**09/2014-09/2016** Department Leader in Liaison Department of Science and Technology Association of Soochow University

**09/2014-09/2016** Member of Administrative and Personnel Department of Entrepreneur Club of Soochow University

**10/2015-11/2015** Group leader of On-campus job fair in Soochow University

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## ***Professional Skills***

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- ✓ Comsol Multiphysics simulation software
- ✓ Matlab
- ✓ OriginPro
- ✓ C language
- ✓ Microsoft Office: Word, Excel, PowerPoint, etc.

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## ***Interests & Hobbies***

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- ✓ Playing the flute
- ✓ Fitness
- ✓ Astrology
- ✓ Travel
- ✓ Playing I-go
- ✓ Playing games