




















EDUCATION

Grad. 	University - QS	Major	Degree	Credential (Outer)	Masterpiece (Inner)
27' 2025	Nanjing U. - 140	Optical Engineering <sup>1</sup>	Ph.D.	 Q.E. - Top 15% 	Nonlinear Fourier Optics 
24' 2022	Nanjing U. - 140	Quantum Electronics	Master	Courses Score - 93.5 	THz (> 6G) OAM Source 
22' 2020	Northeastern U.	Applied Physics <sup>2</sup>	Bachelor	 GPA Rank - 1/400 	DDTank Auxiliary Tools 
18' 2016	Leshan No.1 H.S.	Science	Awaken	Sichuan Prov. - Top 2%	7 Notes → 3 Books 

<sup>1</sup> **Thesis** - Analytic 3D vectorial linear non-uniform & nonlinear Fourier crystal optics in arbitrary  $\bar{\epsilon}, \bar{\chi}$  dielectrics 

<sup>2</sup> **Thesis** - Research & design of nonlinear holography based on lithium niobate 3D nonlinear photonic crystal  

ACADEMIC FOCUS

2024.06	<b>Next generation</b> high N.A. 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2024.03	!Paraxial ⇒ <b>High N.A.</b> 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.12	Stressing z-component ⇒ <b>3D</b> vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.06	Involving $\bar{\chi}_{\omega}^{(2)}$ anisotropy ⇒ <b>Vector</b> non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.03	!Unitary $G_{\omega}^{\pm} \Leftarrow$ !Hermitian $\bar{\epsilon}_r^{\omega} \Rightarrow$ <b>Non-uniform</b> analytic linear & nonlinear Fourier crystal optics 
2022.09	Solution $\mathcal{F} [E_{\omega}^{\pm}]$ to $(\nabla^2 + k_{\omega\pm}^2) E_{\omega}^{\pm} \propto P_{\omega\pm}^{(2)} \Leftrightarrow$ <b>Analytic</b> linear & nonlinear Fourier crystal optics 
2022.06	Solution $\mathcal{F} [E_3] = \mathcal{F} [f (\mathcal{F}^{-1} [\cdot])]$ to the Eq. below $\Leftrightarrow$ <b>Nonlinear</b> angular spectrum theory for SFG 
2022.03	Solution $\mathcal{F} [E_3] = \iiint\!\!\!\int$ to $(\nabla^2 + k_3^2) E_3 (r) \propto P_3^{(2)} (r) \Leftrightarrow$ <b>Nonlinear</b> convolution solution to SFG 

## TEACHING

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- **Head Teaching Assistant** at University Name Spring 2019  
*Course Name (COURSE CODE)*
- **Teaching Assistant** at University Name Spring 2017  
*Course Name (COURSE CODE)*

## SKILLS

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- **Skill Group:** List of technologies
- **Skill Group:** List of technologies
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## LANGUAGES

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- **Language:** language proficiency level
- **EXAM:** details
- **Language:** language proficiency level
- **Language:** language proficiency level

## PROJECTS

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See full list of projects on [example.com/projects](http://example.com/projects)

- Project Title (Technology Used, 2019)  
Short explanation of the project
- Project Title (Technology Used, 2019)  
Short explanation of the project

## SCHOLARSHIPS AND AWARDS

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- Some Scholarship 2018–2020
- Some Award 2018
- Some Award 2017
- Some Award 2016
- Some Scholarship 2013–2018
- Some Scholarship 2013–2018
- Some Award 2013

## EXTRACURRICULAR ACTIVITIES

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- Member at Some Club 2017–Current  
*Detailed explanation of what you do at this club*
- Member at Some Club 2016–2017  
*Detailed explanation of what you do at this club*
- Volunteer at Some Event Fall 2019  
*Detailed explanation of what you do in this event*
- Volunteer at Some Event Winter 2015

*Detailed explanation of what you do in this event*