





























EDUCATION

Degree	Major	Credential (Outer)	Masterpiece (Inner)	Grad.
Doctor of Philosophy	Optical Engineering	 Q.E. - Top 15% 	Nonlinear Fourier Optics 	2025 '27
 Thesis - Analytic 3D vectorial linear non-uniform & nonlinear Fourier crystal optics in arbitrary $\bar{\epsilon}$ , $\bar{\chi}$ dielectrics  				
Master 's Studies	Quantum Electronics	Courses Score - 93.5 	THz (> 6G) OAM Source 	2022 '24
 Affiliation - College of Engineering and Applied Sciences, Nanjing University, No.163 Xianlin Avenue, Nanjing, Jiangsu, China 				
Bachelor of Science	Applied Physics	 GPA Rank - 1/400 	DDTank Auxiliary Tools 	2020 '22
 Thesis - Research & design of nonlinear holography based on lithium niobate 3D nonlinear photonic crystal   				
Freshman in College	Science	Sichuan Prov. - Top 2%	7 Notes → 3 Books 	2016 '18
 Affiliation - School of Physics, College of Science, Northeastern University, No.3-11 Wenhua Road, Shenyang, Liaoning, China 				

ACADEMIC FOCUS

2024.06	Next generation high N.A. 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2024.03	!Paraxial $k_0^\omega \Rightarrow$ High N.A. 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.12	Emphasizing $G_{xyz}^\omega \Rightarrow$ 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.06	Involving $\bar{\chi}_\omega^{(2)}$ anisotropy $\Rightarrow$ Vector non-uniform analytic linear & nonlinear Fourier crystal optics 
2023.03	!Unitary $G_\omega^\pm \Leftarrow$ !Hermitian $\bar{\epsilon}_r^\omega \Rightarrow$ Non-uniform analytic linear & nonlinear Fourier crystal optics 
2022.09	Solution $\mathcal{F}[E_\omega^\pm]$ to $(\nabla^2 + k_{\omega\pm}^2) E_\omega^\pm \propto P_{\omega\pm}^{(2)} \Leftrightarrow$ Analytic linear & nonlinear Fourier crystal optics 
2022.06	Solution $\mathcal{F}[E_3] = \mathcal{F}[f(\mathcal{F}^{-1}[\cdot])]$ to the Eq. below $\Leftrightarrow$ Nonlinear angular spectrum theory for SFG 
2022.03	Solution $\mathcal{F}[E_3] = \iiint\!\!\!\int$ to $(\nabla^2 + k_3^2) E_3(r) \propto P_3^{(2)}(r) \Leftrightarrow$ Nonlinear convolution solution to SFG 

## TEACHING

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

## SKILLS

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

## LANGUAGES

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

## PROJECTS

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

## HONORS & AWARDS

Academia	Doctor's Qualification Exam (Oral) 	Excellent 	Top 15%	Nanjing U.	
	Bachelor Dissertation  & Defense 	Excellent 	1/90	Northeastern U.	2020.06
Competitions	Three Provinces Achievement Expo 	Attend 	Leader	Three Prov.	2019 . 10
	"Challenge Cup" Tech Competition 	Grand prize 	Leader	Liaoning Prov.	2019 . 06
	Academic Scholarship	1st place	¥40,000	Nanjing U.	2020 - 24
	"Jinchuan" Scholarship	1st place 	¥5,000	Northeastern U.	2019 . 04
	Academic Scholarship	1st place 	¥2,000	Northeastern U.	2018 . 06
	Entrance Scholarship	3rd place	¥5,000	Leshan No.1 H.S.	2013 . 09
	Graduation with honor 	Outstanding		Northeastern U.	2020 . 07
	League Member 	Excellent 		Northeastern U.	2019 . 11
	Undergraduate Student	Excellent 		Northeastern U.	2018 . 12

## EXTRACURRICULAR ACTIVITIES

- 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*