Chixun ZHANG

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Education Backgrounds

☆**Xidian University** (Xi'an, China) 09/2018-Present

School of Telecommunications Engineering

Degree: Bachelor of Engineering (Pending 06/2022)

Major: **Telecommunications Engineering** （GPA: **3.6/4.0** Weighted Average Score**: 81.8/100**）

Core Courses: *Stochastic Signal Analysis, Digital Signal Processing,Circuit Signals and Systems Experiment, Fundamentals of Analog Electronic Technology, The Basis of RF Circuit, Principles of Communications, etc.*

Standardized Tests

IELTS (Overall: **7.0** Listening: 8.0 Reading: 8.0 Writing: 6.5 Speaking: 6.0) September 18, 2021

GRE (Total: **319** Verbal: 150 44% Quantitative: **169** 94% AW: 3.5 37%) October 17, 2021

Research Experiences

★ ***Optical Signal Processing: Application of Apodizing Masks to Optimize Image Quality*** *03/2021-06/2021*

- Generated a point spread function for an aperture-based imaging system by 2-D Fast Fourier Transform and 2D Gaussian distribution;
- Conducted a flat-top signal (uniformly illuminated circular unobstructed aperture) and a pupil-masked two-dimensional Fourier transform and pass through an inverse oscillation filter
- Utilized Matlab and Octave Online to simulate the signals;
- Compare them by analyzing the centrality of the spectrum, frequency distribution, and energy distribution;
- Wrote a paper and published in EI compendex as the independent first author;

Publication

● ***Chixun ZHANG****, A Method for Generating PSF Based on 2-D Fast Fourier Transform, has been accepted by the International Conference on Signal Processing and Machine Learning (CONF-SPML 2021), will be published in conference proceeding and submitted to EI Compendex, CPCI (Web of Science) and other databases for indexing.*

Internship Experiences

Shenzhen iSoftstone Information Technology Co., Ltd.（Intern） *07/2019-08/2019*

- Participated in the auxiliary source test of controller board hardware;
- Tested the precision, ripple, power-on and power-off waveform, load capacity, overcurrent protection and other aspects of auxiliary source.

Shenzhen Huazhi Information Technology Co., Ltd. *(Software Design Engineer Assistant)* *07/2021-08/2021*

- Participated in the products research, development, and design work of the company;
- Developed practical working ability and operational skills.

Awards & Scholarships

Second Prize of Mathematical Contest in Modeling (University) 06/2020

Third Prize of "Spark Cup" Extracurricular Academic Science and Technology Works (University) 11/2019

Third-class Scholarship (University) 9/2021

Computer Skills

C programming language; Assembly language; Matlab; Python