

# Q I D A W E I

## OBJECTIVE

A PhD opportunity in computational physics requires experience in programming and numerical analysis.

## WORK EXPERIENCE

PERIOD	<b>2024 — Present</b>	
REPOSITORY	<a href="https://github.com/QiDawei98/Flower_Lane/">https://github.com/QiDawei98/Flower_Lane/</a>	Fuzhou, China
ABOUT	<b>Perform NCI analysis from VASP</b> A Python script processes electron density from VASP calculations to perform Non-covalent Interaction (NCI) analysis.	
PERIOD	<b>2023 — Present</b>	
REPOSITORY	<a href="https://github.com/QiDawei98/YouZhiSan">https://github.com/QiDawei98/YouZhiSan</a>	Fuzhou, China
ABOUT	<b>Fit crystal field Hamiltonian to optical spectroscopy</b> A Computer program for reproducing excited eigenvalues of rare earth 4f electrons obtained from optical spectroscopy using crystal field theory. Paper in preparation.	

## EDUCATION

PERIOD	<b>2016 — 2019</b>	
DEGREE	<b>Diploma of High Education</b>	
MAJOR	<b>Electrical Engineering</b>	
UNIVERSITY	<b>Qingdao Harbour Vocational and Technical College</b>	Qingdao, China
PERIOD	<b>2019 — 2021</b>	
DEGREE	<b>Bachelor of Science</b>	
MAJOR	<b>Electrical Engineering</b>	
UNIVERSITY	<b>Qingdao University</b>	Qingdao, China
PERIOD	<b>2022 — Present</b>	
DEGREE	<b>Master of Science in Condensed Matter Physics</b>	
GPA	<b>Higher than 3.2</b>	
COURSEWORK	<b>Fujian Normal University</b>	
RESEARCH	<b>FJIRSM, Chinese Academy of Sciences</b>	Fuzhou, China

## SKILLS

<b>Theory</b>	Quantum Mechanics, Solid State Physics, Group Theory
<b>Proficient</b>	Python, Regex, Multiprocessing, Numerical analysis, $\LaTeX$
<b>Used</b>	Maple, Matlab, C, Fortran

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