Jiawei **Zhan**

CONDENSED MATTER PHYSICS · APPLIED PHYSICS

Room 322-529, University of Science and Technology of China, Hefei, Anhui, 230026 P. R. China

☐ (+86) 18980001323 | ✉ yw1314@mail.ustc.edu.cn

"Make the change that you want to see in the world."

Education

USTC(University of Science and Technology of China)   *Hefei,Anhui,P.R.China*

B.S. IN CONDENSED MATTER PHYSICS, APPLIED PHYSICS   *Dec. 2016 - PRESENT*

- **GPA:** 3.56/4.3 (Average Score:85.66/100)
- **Core Courses:** Mathematical equation A(91), An Introduction to Modern Atomic and Molecular Physics(97), Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity(A+ UCLA), Complex Function(85), Probability Theory and Mathematical Statistics(92), Optics(85), Classical Dynamics A(95),Multivariate Calculus(95), Linear Algebra(90), Thermal Physics(90), Electromagnetism A(87), Univariate Calculus(87)

Skills

Programming	Python, C/C++, Matlab, Mathmatica, LaTeX
Software:	VASP, VESTA, Scidavis, Mathmatica, Matlab, Vim
Languages	Fluent English, Native Chinese
Standard English Test:	**TOFEL:** 86(Reading 26, Listening 20, Speaking 19, Writing 21)
Hobby	Soccer: One member of school team, Piano: Amateur Level 10

Experience

Summer Internship, Institue of Software, Chinese Academy of Science   *Haidian District, Beijing, China*

Project: DYNAMICS INDEX UPDATE OF MOVING TAXI *Supervisor:*PROF.LIMIN GUO   *Jul. 2017 - Aug. 2017*

- Constructed the program in a more hierarchical and regional way, concerning about the giant amount of data, time and energy consumption. Divided different data into different groups based on its process in order to decrease the amount of traversing all the data. Simultaneously, constructed the database in a tree form, hierarchizing all the data from root to leaves, so that the consumption of time and energy would dramatically decrease.
- Established the foundation of Bitmap indexing technique by transversing a giant amount of two dimensional taxis' positional messages into one dimensional data in a grid and attaching a doubly linked list to each cell in order to simplify the traversing and updating(inserting and deleting) the data in the grid.
- Used Binary heap to hierarchize the data which could pop out the target data with its own automatic shift.

University of California, Los Angeles   *LA, U.S.A*

SUMMER SCHOOL, UNIVERSITY OF CALIFORNIA, LOS ANGELES   *Jun. 2018 - Aug. 2018*

- Took the Summer school in UCLA and took two credit classes there: Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity(A+), Calculus of Several Varieties(200/200).
- Got acquaintance with lots of pretigious professors and intellgient students. Deeply communicate with intructors about my short-term and long-term goals.
- Visited top-class labs on campus, and asisted one of my classmate guiding freshmen during their orientation

Extracurricular Activity

Fifth Class of Physics Department, 2016   *USTC, China*

VICE-MONITOR   *Sep. 2017 - PRESENT*

- Hold different kinds of activities to consolidate students' safety consciousness.
- Did presentations to exhibit highlights of our class in a whole school year.
- Made announcements, Recorded attendence.

Soccer Team of Physics Department   *USTC, China*

OUTSIDE LEFT   *Sep. 2016 - PRESENT*

- Gathered together with teammates every weekend and fought with other college teams

Honors & Awards

DOMESTIC

2018	**Bronze Award,,** Outstanding Student Scholarship, USTC	*Hefei, Anhui, China*
2017	**4nd Prize**, Champion Cup(Soccer Competiotion for College Teams)	*Hefei, Anhui, China*
2016	**2nd Award**, Eagle Cup(Soccer Competition for Freshmen)	*Hefei, Anhui, China*
2016	**2rd Award**, 30th Chinese Mathmatical Olympiad	*Sichuan, China*