

# Iris Dorn

<https://irisdorn.com>  
Contact via website.

Objective : Seeking Remote Data Scientist position, full-time, part-time or by contract.

## EDUCATION

### CHAPMAN UNIVERSITY

PHD IN COMPUTATIONAL  
AND DATA SCIENCES  
Grad. 2020 | Orange, CA USA

### CAL STATE FULLERTON

M.Sc IN PHYSICS  
Grad. 2016 | Fullerton, CA USA

### UC SANTA CRUZ

B.Sc IN PHYSICS EDUCATION  
Grad. 2013 | Santa Cruz, CA USA

## SOFTWARE

### PROGRAMS

Matlab  
Comsol Multiphysics  
Mathematica

### LANGUAGES

Python  
R  
C++  
Java

## COURSEWORK

### GRADUATE

Data Mining  
Mathematical Modeling  
Multivariate Analysis  
Solid State Physics  
Quantum Mechanics

## SKILLS

- Data Visualization
- Time-dependent Modeling
- Statistical Analysis
- 3D Printing
- Building / Upgrading PCs
- Client API
- Communication and Outreach

## EXPERIENCE

### INSTITUTE FOR QUANTUM STUDIES | RESEARCH ASSISTANT

September 2018-Current | Remote Work

- Working remotely, under the supervision of Dr. Armen Gulian, modeling 1-D Josephson junction using Comsol Multiphysics and automating modeling tasks with Matlab.

### CHAPMAN UNIVERSITY | ADJUNCT PHYSICS LECTURER

September 2016 – December 2018 | Orange, CA

- Courses taught: Calculus-Based Mechanical Physics for Life Science Students lecture and lab, Calculus-Based Electromagnetism Physics for Life Science Students lecture.

### ORANGE COAST COLLEGE | ADJUNCT LECTURER

September 2016 – June 2018 | Costa Mesa, CA

- Instructor for the Physics and Astronomy Department. Courses taught: Mechanical Physics lecture and lab, Conceptual Physics lecture, and Introductory Astronomy lab.

### CYPRESS COLLEGE | ADJUNCT LECTURER

January 2017 – June 2017 | Cypress, CA

- Instructor for the Physics Department. Courses taught: Elementary Physics lecture and lab.

### PHYSICS DEPT. OF CAL STATE FULLERTON | RESEARCH ASSISTANT

June 2015 - May 2016 | Fullerton, CA

- Under the supervision of Dr. Ionel Tifrea, utilizing Mathematica for modeling fractional statistics of ideal quantum gases.

### PHYSICS DEPT. OF CAL STATE FULLERTON | TEACHING ASSISTANT

September 2014 - May 2015 | Fullerton, CA

- Instructing physics labs with non-physics science and engineering undergraduates. Training incoming graduate teaching assistants.