Iris Dorn

https://irisdorn.com
Contact via Website

Objective : Seeking Remote positions related to Computational Physics, Modeling and Data Science
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.