

Peter Yeu-Shyang Yeh

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Working Experience:

University of Arizona-TA/Tutor

2021-Current

I am officially working as a teaching assistant for the University of Arizona. I am also concurrently tutoring students at the graduate level in theoretical statistics and methodology to prepare the graduate students for the qualifying exam.

Heron Therapeutics-Intern

2018

I was tasked with analyzing experimental data. The data had to be cleaned by accounting for the varying ways the data was initially inputted and for missing information. After I had recoded the dataset to account for these, I then implemented common biostatistical methods such as ITT, Per Protocol and As Treated analysis. All analysis and coding were done using SAS software.

Pacific PharmaScience – Part-time Employee

2015-2017

I was tasked with developing solid dosage forms for drug candidates and performing experiments on the drugs using various techniques for purity, dissolution rate, storage stability, and solubility determination.

UCSD - Cognitive Science Research Assistant

2014-2015

I was tasked with running experiments designed to observe how language affects the mind's ability to process information. The data collection was done using a program that would time a participant's reaction speed in answering questions when given conditions to follow. I had participated in ensuring that the program would function as designed prior to the start of the experiment. In addition to collecting data and ensuring that the coding worked, I compiled the data, aided the lab by teaching new research assistants how to run the experiments, and analyzed data.

Ardea Biosciences - Intern, Drug Metabolism

2013

I was tasked with isolating and purifying non-synthesizable metabolite from human urine using techniques such as liquid-liquid extraction, normal and reverse phase chromatography, fractional collection, and lyophilization. The metabolite was characterized with modern instruments such as NMR and high-performance liquid chromatography equipped with mass spectrometry.

Ardea Biosciences - Intern, Formulation

2012

I was tasked with producing pills of variable drug release through various formulations of the pill contents using plasticizers, fillers, lubricants, glidants, binders and diluents. We also altered the size of the active pharmaceutical ingredient through micronization. The resulting formulations were formed into pills via a tablet press.

Education:

University of Arizona

PhD: Statistics-Data Informatics GIDP

2021-Current

GPA: 4.0

- Theory of Probability
- Theory of Statistics
- Theoretical Statistics I
- Theoretical Statistics II
- Linear Regression
- Design of Experiments
- Bioinformatics and Functional Genomics
- Statistical Machine Learning
- Analysis of High Dimensional Data
- Data Mining for Business Intelligence
- Statistical Consulting

San Diego State University

Master of Science: Statistics

2017-2019

GPA: 3.66

Public Health:

- Advanced Statistical Methods
- Biostatistics
- Environmental Health Determinant
- Epidemiology
- SAS Epidemiology
- SAS Biostatistics

Statistics:

- Actuarial Modeling
- Advance Biostatic Methods
- Advance Mathematical Statistics
- Applied Multivariate Analysis
- Data Mining
- Linear Regression
- Nonparametric Statistics
- Statistical Communications

University of California-San Diego

Major: Pharmacological Chemistry

2011-2016

GPA: 3.26

Anthropology:

- Race and Racism

Biology:

- Circadian Rhythm
- Genetics
- Physiology
- Recombinant Techniques

Math:

- Calculus
- Statistics

Chemistry:

- Analytical Chemistry
- Biochemistry
- Environmental Chemistry
- General Chemistry
- Organic Chemistry
- Pharmacology
- Protein Chemistry
- Thermodynamics and Kinetics
- Toxicology
- Quantum Mechanics

Cognitive Science:

- Intro to Cognitive Science
- Minds and Brains
- Neurobiology of Cognition

Physics:

- Mechanics
- Electricity and Magnetism
- Fluids, Waves, Thermodynamics and Optics

Programming Experience:

Rstudio, LaTeX, R Markdown, RapidMiner Studio, SAS, Python, Microsoft Office