Contact

www.linkedin.com/in/sunny-chun-
jou-hsiang-90a57975 (LinkedIn)

Top Skills

Agriculture

Econometrics

Stata

Languages

Chinese (Native or Bilingual)

English (Native or Bilingual)

German (Limited Working)

Certifications

SAS Base Programming for SAS 9

SAS Advanced Programming for
SAS 9

Zertifikat Deutsch

Applying Machine Learning to your
Data with GCP

Honors-Awards

Presidential Awards

Baden-Württemburg Scholarship

Sunny Chun-Jou Hsiang

Data Scientist at CoreLogic

Santa Ana, California

Summary

Statistician

Experience

CoreLogic
Data Scientist
October 2019 - Present (6 months)
Irvine, CA

First American Financial Corporation
Data Scientist
November 2018 - October 2019 (1 year)
Santa Ana, CA

Petco
1 year

Senior Data Science Analyst
April 2018 - November 2018 (8 months)
Greater San Diego Area

Data Science Analyst
December 2017 - April 2018 (5 months)
Greater San Diego Area

Bayer CropScience
Biostatistics Specialist III
January 2015 - November 2017 (2 years 11 months)
Sacramento, California Area

• Proactively identify, develop, and incorporate new algorithms and statistical
tools to facilitate bioassay optimization in the lab and in the greenhouse.

• Participates in moderate to extensive problem solving which includes team
members from other functional teams to expedite the R&D research activities.

• Prepare reports with large omics datasets (e.g. phenomics, transcriptomics, metabolomics) for supervisor review, under time constraints, across various project types.
• Support agronomic development and product development teams in the analysis of large datasets and to translate field trial data into practical knowledge.
• Train research staff in experimental design, basic statistical concepts, and the use of relevant statistical tools.
• Demonstrate applications of mixed linear modeling, machine learning algorithms to further insight within a biological setting.
• Identify business needs and develop, test and document a novel user-friendly analytical dashboard platform in R shiny with statistical analysis automated pipelines for bench scientists to ensure data integrity and expedite analysis workflow with LIMS system and Neo4j graph database using API.
• Communicate effectively through listening, documentation, and presentation, especially using compelling visualization tools to share analysis and interpretation of data.
• Awarded for Better Because Of You employee appreciation award 6 times within 8 months.

UC Davis
Reader, Professor Jiming Jiang, Wolfgang Polonik and Christina Drake
March 2015 - June 2015 (4 months)
Davis, CA

• Graded and evaluated the student's performance from homework assignments for STA 131A: Probability Theory, STA 131C: Introduction to Math Statistics and STA 144: Sampling theory simultaneously.

UC Davis
10 months

Graduate Student Researcher, Agricultural Geographic Information System Lab, Professor Minghua Zhang
September 2014 - December 2014 (4 months)
Davis

• Developed the appropriate statistical methods for analysis of fumigation and solarization effectiveness data set by ANOVA, regression models, cluster analysis and path analysis in R with accuracy and reproducibility.
• Analyzed effectiveness of pesticides that will assist policy making for California Department of Pesticide Regulation and California Environmental Protection Agency by meta-analysis in R and Excel.

• Executed simultaneously 2 projects of pesticide and fumigation with a sample size of over 1000 in R and Excel.

• Provided statistical analysis and result interpretation in work report and explained statistical methodology to lab members in weekly lab meetings.

• Advised one hydrologist and one chemist about the methodology of meta-analysis at UC Davis.

Student Assistant, Agricultural Geographic Information System Lab, Professor Minghua Zhang
June 2014 - September 2014 (4 months)
Davis

• Standardized and cleaned pesticide and fumigation data in Excel from multiple streams of journal articles.

• Designed the analytic and quantitative report of photosynthesis light response data in R and Word.

• Developed analysis by regression and ANOVA models to solve photosynthesis active radiation problem in R.

Reader, University of California, Davis, Professor Chin-Shang Li
March 2014 - June 2014 (4 months)
Davis

• Organized study guide work sheets and office hours weekly for graduate level course with six graduate students.

• Graded and evaluated the student's performance from homework assignments.

Higher Education Evaluation and Accreditation Council of Taiwan
Assistant
April 2012 - April 2012 (1 month)

• Assisted the process of evaluation for higher education institutes in Taiwan.

• Held the interview session for the evaluation committee and the academic institutes.

• Wrote the report for the results of higher eduction institute evaluation.

University of Ulm
Exchange Student
September 2010 - September 2011 (1 year 1 month)

• Exchange program in Department of Economics.

University of Hamburg
Summer School Student

July 2008 - August 2009 (1 year 2 months)

Summer school in Department of Asian-Africa Studies.

Faith Foundation
Winter Intern
January 2009 - February 2009 (2 months)

• Mentored AIDS children under 10-years-old how to complete their English homework.

• Handled bank documents weekly to help founder to balance financial budget.

• Performed fundraiser that secured more than $1,700 US dollars.

• Updated information on foundation website and enhanced the daily visitor counts by 100%.

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Education

University of California, Davis
Master of Science (M.S.), Statistics · (2013 - 2015)

University of California, Davis
Master's degree, Agricultural and Resource Economics · (2012 - 2013)

National Taiwan University
Bachelor of Science (BSc), Double Major in Agricultural Economics and Sociology · (2006 - 2012)