

Chun Yu Hong (Johnny)

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EDUCATION

Ph.D. student in Statistics
University of California, Berkeley

August 2014-Present
Expected May 2019

Potential relevant coursework: Statistical Models: Theory and Application (STAT 215A),
Statistical Learning Theory (STAT 241A)

B.S. in Applied Mathematics (with Honors)
B.S. in Statistics (with Honors)
University of California, Davis

June 2014

Potential relevant coursework: Statistical Computing (R) (STA 141), Regression Analysis (STA 108),
Applied Time Series Analysis (STA 137), Bayesian Statistical Inference (STA 145)

EXPERIENCE

Graduate Student Instructor (Teaching Assistant)

UC Berkeley Department of Statistics

September 2014 - Present
Berkeley, CA

- Grades exams, and occasionally suggests exam questions.
- Holds weekly lab sections and office hours, answering students' questions about the class materials.

STAT 222 (Statistics MA Capstone Project)
STAT 210A (Theoretical Statistics) (Grader)
STAT 135 (Concepts of Statistics)
STAT 135 (Concepts of Statistics)
STAT 133 (Concepts in Computing with Data)

January 2015 - Present
September 2015 - December 2015
August 2015 - December 2015
June 2015 - August 2015
September 2014 - December 2014

Undergraduate Researcher

UC Davis Department of Mathematics

August 2013 - September 2013
Davis, CA

- Developed the first version of the code of Sage program for computation and experimentation with the 1-row Gomory-Johnson infinite group problem under the supervision of Professor Matthias Köppe.

Mathematics Tutor

Student Academic Success Center

November 2012 - August 2014
Davis, CA

- Emphasized interactive learning by asking students questions instead of directly presenting the solutions when solving problems.

PROJECTS

An introduction to the use of hidden Markov models for stock return analysis

- Final group project for the graduate-level course Statistical Learning Theory
- Project Role: Developed a hidden Markov model (HMM) for volatility analysis of stock returns; implemented the model in R

COMPUTER SKILLS

Proficient programming skills in R; some experience in Python, C, C++, and MATLAB.

EXAMS

Actuarial Exam P - Probability: Pass (Grade: 10)

July 2013

HONORS AND AWARDS

Dean's List

Joseph Bonnheim Memorial Scholarship

UC Davis; Fall 2011 - June 2014

UC Davis; Spring 2012, Spring 2013

Eric C. Ruliffson Scholarship in Mathematics
James and Leta Fulmor Scholarship
Robert Lewis Wasser Memorial Scholarship

UC Davis; Spring 2012, Spring 2013
UC Davis; Spring 2012
UC Davis; Spring 2012

EXTRACURRICULAR ACTIVITIES

Math Circle Teaching Assistant

University of California, Davis

January 2013 - March 2013

Davis, CA

- Worked with a graduate student in teaching high school students elementary graph theory.
- Revised lesson plans and worksheets authored by the graduate student.
- Designed and taught independently one of the lessons.