

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)

June 2014

B.S. in Statistics (with Honors)

University of California, Davis

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)

January 2016 - Present

STAT 210A (Theoretical Statistics) (Grader)

September 2015 - December 2015

STAT 135 (Concepts of Statistics)

August 2015 - December 2015

STAT 135 (Concepts of Statistics)

June 2015 - August 2015

STAT 133 (Concepts in Computing with Data)

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 routinely 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 (mainly from undergraduate coursework).

EXAMS

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

July 2013

HONORS AND AWARDS

Dean's List

UC Davis; Fall 2011 - June 2014

Joseph Bonnheim Memorial Scholarship

UC Davis; Spring 2012, Spring 2013

Eric C. Ruliffson Scholarship in Mathematics

UC Davis; Spring 2012, Spring 2013

James and Leta Fulmor Scholarship

UC Davis; Spring 2012

Robert Lewis Wasser Memorial Scholarship

UC Davis; Spring 2012

EXTRACURRICULAR ACTIVITIES

Math Circle Teaching Assistant

January 2013 - March 2013

University of California, Davis

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.