JOHN P. GALLAGHER

LANGUAGES AND SKILLS

Skills: Statistical Programming , Data Analysis, Statistical Modeling, Portfolio Management, Client Communications
Programs: R, Python, Excel, STATA, MATLAB, HTML/CSS/JavaScript, Neo4j, Django, Ruby, Bootstrap
Language: Fluent in Mandarin (speaking)

EXPERIENCE & AWARDS

San Francisco State University San Francisco, CA
Graduate Teaching Associate Fall 2020

- Taught and developed coursework for Math 123, Mathematics for Elementary Statistics

Freelance Developer and Data Scientist January 2019 – January 2020

- Designed and built a full stack proof of concept: Django, HTML, CSS, JavaScript, Neo4j, and Golden Layout
- Users can search millions of companies for potential conflicts of interest, using a mix of interactive network graphs and fuzzy lookup.

Wells Fargo Asset Management, Multi-Asset Solutions San Francisco/Walnut Creek, CA
Portfolio Analyst March 2017- August 2018

- Traded derivative overlays, mutual funds, ETFs, and treasuries on over $15 billion in client assets
- Back-tested and implemented a volatility hedging strategy now run on $3.4 billion in multi-asset portfolios
- Back-tested and designed customized multi-asset portfolios totaling over $1 billion in new client assets
- Implemented the systems for volatility management strategies to hedge bank balance sheet capital
- Built macroeconomic models using clustering, Hodrick-Prescott filters, and principal components analysis
- Researched and developed factor based long/short commodity trading strategies

Associate Analyst, Analyst Development Program March 2015-February 2017

- Built portfolio risk analytics and researched investment options for client reviews
- Wrote client reviews, blog posts, and thought leadership pieces including visualizations of statistical results
- Produced weekly and monthly chart books that monitor, model, and visualize financial positions
- Wrote quarterly newsletters including case studies
- Participated in investment committee meetings with economists and portfolio managers throughout the firm

Lipper Fund Awards:
Mixed-Asset Target Allocation Moderate 3 Year 2015, 2016, 2017
Mixed-Asset Target Allocation Moderate 5 Year 2015, 2016, 2017, 2018

Department of Defense Office of Economic Manpower Analysis West Point, NY
Labor Economics Research Intern Summer 2013

- Analyzed personnel data using regression analysis; created executive level briefing on personnel outcomes
- Collated data from veteran service records; used data as evidence for theoretical framework on compensation
- Developed informational materials to educate congressional members on military pension and compensation

University of Chicago, Mathematics, Chicago, IL
Research Experience for Undergraduates Summer 2010

- As part of a National Science Foundation Program, learned number theory
- Published research on the annual REU website: “Elementary Number Theory and the Chinese Remainder Theorem”

EDUCATION

San Francisco State University, San Francisco, CA, M.A. Mathematics Expected: May 2022
Thesis: On a Topological Erdös Similarity Problem
University of Chicago, Chicago, IL, B.A. Economics June 2014
Varsity Diving Team 2009-2011

HOBBIES

Reading Fiction, Writing, Chess, Crossword Puzzles, Running, Cycling, Skiing