

John R. Mahoney

◉ PROFILE ◉

I'm a rad dad who endeavors to make the world a fizzier place. A physicist by training and jazz saxophonist by night, I approach the world with both an analytic mind and a the desire for a deep pocket.

◉ PROGRAMMING ◉

Python: np, sp, mpl, pd
GUI / interactive
git, L^AT_EX, beamer, tikz
MATLAB
Mac OS, UNIX

◉ INTERPERSONAL ◉

Excellent listener
Flexible and creative
Work well in close-knit teams
Independent worker
Thoughtful mentor
Value clear communication

◉ PROJECTS ◉

Python and Physics course
Burning Invariant Manifolds
CMPy contributor
timesquare
this resumé

◉ INTERESTS ◉

jazz saxophone and piano
soccer, tennis, and hiking
cooking and eat-
ing delicious food!

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mohnjahoney.github.io



◉ COMMUNICATION SKILLS ◉

Written:

Wrote and co-authored over 25 papers published in high quality journals (PRL, PRX, PRA, PRE, CHAOS, J. Stat Phys.). Edited multiple articles for colleagues. Refereed for journals including: CHAOS, Entropy, PLOS, J. of Fluid Mechanics. [prediction](#), [reacting fluids](#), [quantum info](#)

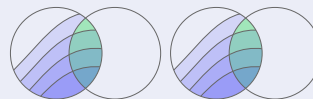
Verbal:

Designed and delivered over 35 talks and posters including: Quantum Info Workshop at Nanyang Technical University, Singapore; Conference on Complex Systems, Amsterdam; CHAOS15 at Henri Poincaré Institute, Paris; Oberwolfach, Germany (awarded “[best poster](#)”); International Conference on Flow Dynamics, Sendai, Japan

Graphical:

I value design and aesthetics in communication. I seek to balance precision and depth with clarity and impact.

Examples: [A](#), [B](#), [C](#)



◉ ANALYTIC SKILLS ◉

Creativity:

Brainstorming.

Critical:

Problem Solving.

Data:

statistics, interpretation

Research:

werwerw werwerwer werwerwe

◉ WORK EXPERIENCE ◉

Fall 2020 -, Math Specialist: UC Davis

Summer 2020, Course Designer and Instructor: UC Davis

Oct 2019, Math Lecturer: Napa Valley College

Spring 2019, Physics Lecturer: UC Davis

Fall 2018, Math Lecturer: CSU Maritime

2017-2018, Consultant: Dept. Biomedical Informatics, Columbia University

Fall 2017, Spring 2018, Math Lecturer: UC Davis

2015-2017, Project Scientist: UC Davis

2010-2015, Postdoctoral Scholar: UC Merced

◉ EDUCATION ◉

Ph.D. in Physics, UC, Davis with James P. Crutchfield

B.S. in Physics and Mathematics, CSU, Chico

attended Williams College for Physics, Mathematics and Music