

# Taisuke Yasuda

## Curriculum Vitae

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Updated May 13, 2019

## Experience

Aug 2019 – Present    **Quantitative Trader**, Akuna Capital

## Education

Aug 2017 – May 2019    **Carnegie Mellon University: M.S. in Mathematical Sciences**

Advisor: Ian Tice

Thesis: *Asymptotic Stability of the Faraday Wave Problem*

Aug 2015 – May 2019    **Carnegie Mellon University: B.S. in Mathematical Sciences**

Additional Major in Computer Science

GPA: 3.82/4.00

## Research

*The Query Complexity of Mastermind with  $\ell_p$  Distances*

Manuel Fernández V, David P. Woodruff, **Taisuke Yasuda**

(in submission)

*The Nonlinear Stability Regime of the Viscous Faraday Wave Problem*

David Altizio, Ian Tice, Xinyu Wu, and **Taisuke Yasuda**

(in submission)

*Tight Kernel Query Complexity of Kernel Ridge Regression and Kernel  $k$ -means Clustering*

Manuel Fernández V, David P. Woodruff, **Taisuke Yasuda**

ICML 2019 (to appear)

## Selected Coursework

**Computer Science (graduate level):** Coding Theory, Advanced Algorithms, Machine Learning on Large Datasets, Algorithms for Big Data, A Theorist's Toolkit

**Mathematics (graduate level):** Advanced Real Analysis, Probability with Martingales, Measure Theory, Discrete Mathematics, Classical Partial Differential Equations, Complex Analysis

## Teaching

Spring 2019	Algorithms (15-451)	TA
Spring 2019	Concepts of Mathematics (21-127)	TA
Fall 2018	Linear Algebra (21-241)	TA
Spring 2018	Principles of Real Analysis II (21-356)	grader
Fall 2016	Putnam Seminar (21-295)	grader

## Talks and Presentations

Jul 2018    *How it's made: lower bounds for randomized algorithms*    CMU Summer Math Seminar

## Honors and Awards

Mar 2018	Top 207	Putnam Mathematical Competition
Mar 2017	Top 500	Putnam Mathematical Competition
Feb 2017		Undergraduate Research Fellowship in Computational Neuroscience
Feb 2016	Top 3	TartanHacks 2016
Feb 2016	Winner	All University Orchestra Concerto Competition
May 2015		Carnegie Scholarship
Mar 2015	2nd place	Pathfinder Scholarship in Mathematics