Jalani Kofi Williams

Visiting Graduate Student, *Data-driven Decision Processes*
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RESEARCH INTERESTS

stochastic systems, queueing theory, cloud computing, applied probability

EDUCATION

California Institute of Technology -- Pasadena, CA
October 2012 – June 2016
B.S. Mechanical Engineering, Minor in Computer Science

Carnegie Mellon University – Pittsburgh, PA
August 2018 – Ongoing
Advisor: Weina Wang
5th year PhD student in the Computer Science Department.

TEACHING EXPERIENCE

Head TA, "Probability and Computing" (15-259/260) - Carnegie Mellon University
February 2021 – May 2021
Instructors: Mor Harchol-Balter and Weina Wang
Led a team of six TAs. Together, we were responsible for creating recitation materials, leading recitation sessions, holding regular office hours, and grading assignments and exams. For an associated "Statistics and Computing" mini-course, lectured for 2 out of the 6 lectures.

Graduate TA, "Analytical Performance Modeling" (15-857/47-774) - Carnegie Mellon University
September 2021 – December 2021
Instructors: Mor Harchol-Balter and Weina Wang
Part of a team of two TAs. Together, we were responsible for creating recitation materials, leading recitation sessions, holding regular office hours, and grading assignments and exams.

PUBLICATIONS

1. Cristina Segalin, **Jalani Williams**, Tomomi Karigo, et al. The Mouse Action Recognition System (MARS) software pipeline for automated analysis of social behaviors in mice. Elife. 2021;10. doi:10.7554/eLife.63720
2. Weina Wang, Anupam Gupta, **Jalani Williams**. 2022. Probing to Minimize. *Proc. of the 2022 Conference on Innovations in Theoretical Computer Science (ITCS '22)*, January 31 - February 3, 2022, Berkeley, CA.

FELLOWSHIPS

Gates Millennium Scholar
August 2012 – (ongoing)
Need-based scholarship program for underrepresented youth. Provides full need-based funding during undergraduate study. Also provides a fellowship of up to $45k/year during graduate school in any STEM field.

GEM Full Fellow
July 2020 - (ongoing)
Fellowship program for URM students. Provides a one-time $16k stipend, and guarantees that full tuition, stipend, and fees will be paid by the fellow's university.