Krystal Maughan

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MERIT-BASED GRANTS / SCHOLARSHIPS	
Participant, Algorithmic Game Theory Mentoring Workshop (AMW)	2020
(co-located with EC 2020)	2020
ALife Student Scholarship Recipient (to attend ALife Conference)	2020
BRAID Funding to attend Grace Hopper Conference (courtesy of UVM)	2020
NCWIT Change Leader Scholar (1 of 30)	2020
NCWIT Collegiate Award Finalist (1 of 85)	2019
Code2040 2020 Fellow (1 of 80)	2019
WiCyS Student Scholarship (Women in Cybersecurity)	2019
Udacity Technology Scholarship (Al track): Intro to Deep Learning with Pytorch	2019
Helium Grant (chosen as 1 of 11 out of 700)	2018
EaRl Career Scholarship, (R Data Science Scholarship) - declined offer	2018
Udacity Bertelsmann Data Science Scholarship - declined offer	2017
AT and T Aspire to Tech grant Winner	2017
NCAS Workshop participant (NASA Community College Aerospace Scholars)	2016
Who's Who/ Peggy Williams Memorial Scholarship/ Best BFA Award (Best of Major)	2008
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OTHER GRANTS/ FELLOWSHIPS	
Financial Aid Grant, SciPy (Scientific Computing with Python)	2020
LXAI+BAI@GTC Nvidia Digital DLI Workshop Scholarship Award for DLI workshop	2020
"Applications of AI for Anomaly Detection [LDLIW2249] (Deep Learning Institute at GTC)	
ICERM (Brown University) Variable Precision in Mathematical & Scientific Thinking	2020
RWC2020 (Real World Crypto: registration, flight, lodging) Grant via IACR	2020
CRA-WP Grad Cohort for Women (covers flight, registration, lodging)	2019
CRA-WP Grad Cohort for Underrepresented Minorities (flight, registration,lodging)	2019
Neurips Conference Travel Grant (includes free registration)	2019
Sage-Days-104 : To work on SageMath Software: Arithmetic Dynamics	2019
Simons Institute (Berkeley) Error-Correcting Codes and High-Dimensional	2019
Expansion Boot Camp (attendee)	
ICERM (Brown University) Encrypted Search Workshop Grant (Lodging provided)	2019
Cornell Number Theory Conference Grant (Lodging provided)	2019
MSRI (Mathematical Sciences Research Institute) Grants to attend:	
Optimal Transport and applications to machine learning and statistics	2020
Connections for Women:	2019
- Derived Algebraic Geometry, Birational Geometry and Moduli Spaces workshop	
- Introductory Workshop: Derived Algebraic Geometry and Birational Geometry	
And Moduli Spaces	
NASA L'Space NPWEE Concept Proposal writing programme participant	2019
NASA L'Space Proposal/Review Academy (patentable research proposal for funding)	2019
NASA L'Space Academy (virtual team & mentorship with NASA scientists Level 1)	2019
Racket Summer School (National Science Foundation Grant)	2018-2019
PLMW (Programming Languages Mentorship Workshop)	2018
ICFP (International Conference Functional Programming)	0040
PLMW(Programming Languages Mentorship Workshop)	2018
PLDI (Programming Languages Design and Implementation)	0045
OPLSS (Oregon Programming Languages Summer School Grant) - declined offer	2018

REVIEWER	
Reviewer and Programme Committee Member, LXAI@ICML Workshop	2020
Committee Reviewer, HCl Track, GHC (Grace Hopper Conference)	2020
Chair Reviewer, PML4DC (Practical ML for Developing Countries) workshop, ICLR	2020
Reviewer, Tapia Conference (Panels and Workshops)	2020
Reviewer, Travel Grant Applications, Black in Al for AAAI	2020
Reviewer, Travel Grant Applications, Clojure Conj (2 rounds)	2017
SERVICE (AI/Machine Learning)	
WiML Senior Program and Mentorship Co-Chair, WiML (NeurIPS)	2020
Session Facilitator, ICML 2020 for "Recommender System Research in Industry" (1 o	f 2) 2020
Invited Panelist, Morehouse@Momentum Coding School, "The Data Don't Lie"	2020
Invited Panelist, Career Girls AI Virtual Camp	2020
Volunteer ACL (Association of Computational Linguistics)	2020
Volunteer, ICML 2020 (International Conference on Machine Learning)	2020
Volunteer, EC'20 (Economics and Computation)	2020
Volunteer, ICLR (International Conference on Learning Representations)	2020
Member, MD4SG (Mechanism Design for Social Good); Education working group	2020
Chair, AAAI Black in AI Annual Lunch	2020
Panelist, AAAI Try AI Workshop	2020
Invited Panelist, CRAFT workshop, FAT* conference (declined offer)	2020
SERVICE (Other)	
Student Volunteer, ICFP (International Conference Functional Programming)	2020
Student volunteer, ICFP (International Conference Functional Programming)	2018
Student volunteer, PLDI (Programming Languages Design and Implementation)	2018
Student volunteer, POPL (Principles of Programming Languages)	2018
Student volunteer, SPLASH	2018
(Systems, Programming, Languages, and Applications) (declined offer)	
Google Developer Student Club Lead (for University of Vermont)	2019
WRITING / PUBLICATIONS / POSTS Technical Writer, OpenMined Writing Team (technical articles on Deep Learning	2020
And Differential Privacy)	
Google Summer of Code " <u>Breaking the Time-Space Barrier with Haskell</u> "	2018
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INDUSTRY PhD INVITATIONS	0000
Participant, Discover Bloomberg: Women in Engineering event (New York, remote)	2020
Participant, Twitter PhD ML Flock Event (New York, Boston office)	2019
PRESS	
PRESS Featured by Women of Silicon Valley, May Edition	2020
	2020 2019

FUNDRAISING / GRANT WRITING			
e-Kaggle Days, Responsible for securing approx \$20,000 in sponsorship funds	2020		
INDUSTRY TALKS			
Invited Panelist, Career Girls AI Virtual Camp	2020		
Invited Panelist, Morehouse@Momentum Coding School, "The Data Don't Lie"	2020		
Invited Guest, Corecursive Podcast (Technical Podcast)	2020		
Women in Data Science talk "Why conferences matter" (40 min NeurIPS inspired talk)	2020		
INDUSTRY TALKS			
"Magic Gnomes: A GHC Compiler talk (5-minute talk at Github for Sentry's Show & Tell)	2019		
"Denotational Semantics" (2 minute Lightning Talk for Meetup group)	2018		
"Recap of Google I/O 2018" (20 minute presentation at Google Developer Group LA)	2018		
CS Crew Project talk : contributing to Maths software (CodeWorld, SageMaths)	2019		
CS Crew GSoC talk (40-minute talk about Google Summer of Code and Internships)	2019		
CS293 Technical Interviewing Workshop Talk	2019		
Developer Conference Courts to effect			
Developer Conference Grants to attend: AppSec (LA) 2019, TechTogetherBoston 2020, Twilio's Signal Conf 2019, Curry On! 2019, RustConf 2018, LambdaConf 2017/2018, Strange Loop 2017, Software Craftsmanship North America (SCNA), Clojure Conj 2016/2017, Clojure West 2017, Chrome Dev Summit 16-18, Google IO 2016-2019			
CLASSES (PhD)			
Secure Computation; taught by Joe Near using Python (Fall)	2020		
Numerical Analysis; taught by Chris Danforth (Fall)			
Machine Learning; taught by Safwan Wshah using Python (Spring)			
Doctoral Research with advisors Joe Near and David Darais (Spring, Fall)			
Software Verification; taught by David Darais using Agda (Fall)	2019		
Data Privacy; taught by Joe Near using Python (Fall)			
Computer Human Interaction; taught by Josh Bongard (Fall)			
CLASSES (RELATED)			
Participant (1 of 18), "Dark Matters", School for Poetic Computation	2020		
(taught by American Artist : workshop on Surveillance, data, ethics,			
history of Silicon Valley; guests included Dr. Simone Browne)			
ONLINE LEARNING (SELECTED)			
DeepLearning.ai	2020		
- Neural Networks and Deep Learning			
 Improving Deep Neural Networks: Hyperparameter Regularization and Optimizat Structuring Machine Learning Projects 	ion		

FutureLearn

"Empire: The Controversies of British Imperialism"	2020
"Functional Programming in Haskell"	2017