MRIDU NANDA

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SUMMARY

I am a first-year Computer Science PhD student at Duke University, where I am part of the systems and security research groups. My research aims to develop practical methods that make user passwords more secure.

EDUCATION

Duke University
Durham, NC, USA
Ph.D**.** Computer Science (Advisor: Prof. Mike Reiter)
Ongoing

Harvard University
Cambridge, MA, USA
A.B. degree candidate in Computer Science, Secondary Field: Mathematics
2017-2021

North Carolina School of Science and Mathematics
Durham, NC, USA
High School Diploma
2015 - 2017

RESEARCH EXPERIENCE

Undergraduate Research Assistant
Cambridge, MA, USA
Department of Computer Science, Harvard University
2020-2021
Research: *Splicing User Data from Multi-User Applications* **Advisor:** *Prof. James Mickens*

Undergraduate Research Assistant
Durham, NC, USA
Department of Mathematics, Duke University
2015 - 2018
Research: Modeling Tumor Dynamics with Stochastic Processes; **Advisor**: *Prof. Richard Durrett*

PUBLICATIONS

- **Nanda M**., Durrett, R. "*Genotype Patterns in Growing Solid Tumors*," bioRxiv preprint, 2020
- **Nanda M.,** Durrett, R. "*Spatial evolutionary games with weak selection*," Proceedings of the National Academy of Sciences (PNAS), 114 (23), 6046-6051, 2017.

FELLOWSHIPS AND HONORS

Graduate Summer Research Fellowship, Duke University — 2021
Certificate of Distinction in Teaching, Harvard University — 2021
Hershel Smith Undergraduate Research Fellowship, Harvard University — 2020
Program for Research in Science and Engineering Fellowship, Harvard University — 2020

TEACHING AND SERVICE

Faculty Search Coordinator
Ongoing
- Graduate student liaison for coordinating faculty search

Graduate Teaching Assistant for Duke CS 351
Ongoing
- Introduction to Computer Security with Prof. Mike Reiter and Prof. Kartik Nayak

Head Teaching Assistant for Harvard CS 263
Fall 2020
- Graduate-level Systems Security with Prof. James Mickens

Mentor at TheoryPrep, student-led summer program
Summer 2020
- Helped design curriculum and problem sets for 8-week discrete math course to prepare Harvard undergraduates for theoretical computer science classes

Teaching Assistant for Harvard CS 61
Fall 2019
- Systems Programming & Machine Organization with Prof. Eddie Kohler

Teaching fellow for Harvard for CS 152
Spring 2019
- Programming Languages with Prof. Stephen Chong