Noemi Glaeser

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ORCID: **0000-0002-6464-2534**

Education

University of Maryland*, *College Park, MD* *Expected May 2024*

Max Planck Institute for Security and Privacy†, *Bochum, Germany*

Ph.D., Computer Science

Advisors: Jonathan Katz* and Gilles Barthes†

University of South Carolina Honors College, *Columbia, SC* *May 2019*

B.S., Mathematics • B.S.C.S., Computer Science

Minor, Music • Flute performance certificate

GPA: 4.0/4.0 • *summa cum laude*

Thomas Jefferson High School for Science & Technology, *Alexandria, VA* *Jun 2015*

#1 public U.S. high school according to Newsweek (2014-2016)

Advanced Studies Diploma

GPA: 4.46/4.0

Publications

4. K. Herner et al. (2020). The updated DESGW processing pipeline for the third LIGO/VIRGO observing run. *EPJ Web Conf.*, 245, 01008. https://doi.org/10.1051/epjconf/202024501008.

3. K. Herner et al. (2020). Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. *Astronomy & Computing*, 33, 100425. https://doi.org/10.1016/j.ascom.2020.100425.

2. K. Abdelfatah, J. Senn, N. Glaeser, and G. Terejanu. (2019). Prediction and Measurement Update of Fungal Toxin Geospatial Uncertainty using a Stacked Gaussian Process. *Agricultural Systems*, *176*, 102669. https://doi.org/10.1016/j.agsy.2019.102662.

1. N. Glaeser and A. Wang. (2016). Access control for a database-defined network, *Proceedings of IEEE 37th Sarnoff Symposium*. http://dx.doi.org/10.1109/SARNOF.2016.7846728.

Funding & Awards

Graduate Research Fellowship, *National Science Foundation (NSF)* *2019 – 2024*

$34,000 annually for doctorate study and research

Computational Science Fellowship (Math & Computing track), *Dept of Energy* *2019, declined*

Goldwater Scholarship (Honorable Mention) *2018*

Outstanding Senior in Mathematics, *UofSC Math Dept* *Spring 2019*

Science Undergraduate Research Fellowship (SURF), *UofSC Honors College* *Fall 2018*

$1,060 for Math Department research

Grace Hopper Scholar, *Anita Borg Institute* *2017*

Funding to attend the 2017 Grace Hopper Celebration of Women in Computing

Magellan Scholar Award, *UofSC* *2016*

$2,500 for Computer Science department research

UofSC McNair Scholar, *2015-19*

Highest out-of-state merit-based scholarship

Memberships

Phi Beta Kappa Society *2019-*

Association for Computing Machinery *2018-*

Leadership & Involvement

UMD CS Peer Mentor *Fall 2020*

UofSC Cybersecurity Club *Spring 2016 – Spring 2019*

Webmaster (Spring 2018 – Spring 2019)

Gamecock Math Club/Pi Mu Epsilon Math Honor Society *Spring 2016 – Spring 2019*

Treasurer (Fall 2017 – Spring 2019)

McNair Scholar Buddy *Fall 2016 – Spring 2019*

Association for Women in Mathematics at UofSC *Spring 2017 – Spring 2018*

Founding member, Treasurer & Secretary (Spring 2017 – Spring 2018)

Achievements

2018 BSides Charleston Capture the Flag (cybersecurity competition), *2nd place*

2017 BSides Charleston Cryptography Challenge, *1st place*

2016 IEEE Sarnoff Symposium Poster, *3rd place*

2016 MAA Southeastern Math Jeopardy, *3rd place*

Technical Skills

Python	●●●●●●●○○	LaTeX	●●●●○○○○○
Java/C++	●●●●●●●○○	HTML/CSS	●●●●○○○○○
Linux/UNIX	●●●●●●●○○	PostgreSQL	●●●○○○○○○
Bash	●●●●○○○○○		

Languages

Native proficiency: English, German, Italian

Conversational proficiency: American Sign Language

Elementary proficiency: Latin, French

Selected Coursework

(* denotes honors course; † denotes graduate course.)

Mathematics

Computational Number Theory†
Linear Algebra
Ordinary Differential Equations
Analysis I* & II*
Algebraic Structures I & II*
Discrete Mathematics I

Computer Science

Algos in ML: Guarantees & Analyses†
Applied Crypto & Hostile Gov'ts (audit)†
Interactive Technologies†
Human Factors in Security & Privacy†
How to Conduct Great Research (seminar)†
Computer & Network security†
Program Analysis & Understanding†
Introduction to Cryptography*
Computer Architecture*
Theory of Computation
Ethical Hacking
Information Security Principles

December 2020