

## Ana Nora (Sovarel) Evans

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### Education

*School of Education and Human Development, University of Virginia, VA* 2021 – present  
Graduate Student  
Awarded William C. Lowry Scholarship

*Department of Computer Science, University of Virginia, Charlottesville, VA* 2016 – 2020  
PhD candidate

*Department of Mathematics, University of Virginia, Charlottesville, VA* 2009 – 2012  
Master of Science (degree awarded in 2014)  
Awarded Presidential Fellowship (2009–2013) from University of Virginia  
Passed PhD General Examination in Topology in Fall 2009 and Analysis in Fall 2010  
Passed Second-Year Proficiency Examination in Low Dimensional Topology in Summer 2011

*Department of Computer Science, University of Virginia, Charlottesville, VA* 2004 – 2006  
Master of Computer Science  
Passed PhD qualifier in May 2005

*Politehnica University of Bucharest, Computer Science, Romania* 1997 – 2003  
Advanced Studies in Computer Science, 2003  
Bachelor of Science and Engineering, 2002

### Teaching Experience

*Student-Teacher - Monticello High School, Charlottesville, VA* August - November 2021  
Under the supervision of a licensed teacher, I assist with classroom activities and develop and deliver lessons for Math Analysis and Algebra II.

*Guest Lecturer - Second Grade Mathematics, Peabody School, Charlottesville, VA* April - May 2019  
I developed and delivered online lessons on area formulas and Pythagorean Theorem for a group of second graders, available at: <http://ananoraevans.org/SecondGradeMath/>.

*TA - CS 4501 Robotics For Software Engineers, University of Virginia* Spring 2020  
I held office hours (both in-person and online). I developed and recorded a guest lecture on changes of coordinates between coordinate systems, available here: <http://ananoraevans.org/Spring2020TA/>. I provided feedback on the lab development and led the design of labs 5 and 6, available on the course website: <https://sites.google.com/view/rsecs4501-spring2020/>.

*TA - CS 4610 Programming Languages, University of Virginia* Fall 2019  
I held office hours, proposed homework problems, reviewed homework solutions and graded homework and exams.

*Instructor - MATH 1140 Financial Mathematics, University of Virginia* Fall 2011  
I created and delivered the lectures. I created and graded the homework and exams for forty students. The course website is available at <http://www.cs.virginia.edu/evans/finmath/>.

TA - MATH 7752 Algebra II, University of Virginia Spring 2011  
I graded homework and held problem sessions for a class of eleven students.

Grader - MATH 5651 Advanced Linear Algebra, University of Virginia Fall 2010  
I graded homework for a class of forty students.

TA - CS101 Intro to Computer Science, University of Virginia Fall 2004, Spring 2005  
I led programming labs, graded homework and exams, held office hours.

TA - Politechnica University of Bucharest Spring 2002 - Spring 2005  
I held recitations and graded homeworks and exams for groups of 25 students for the following classes: *Algorithm Analysis, Distributed Programming, Operating Systems Design, Object Oriented Programming.*

### Research Experience

Department of Computer Science, University of Virginia August 2016 – present  
Research Assistant.

Department of Computer Science, University of Virginia January 2005 – June 2006  
Research Assistant

### Refereed Publications

Ana Nora Evans, Bradford Campbell, and Mary Lou Soffa. *Is Rust Used Safely by Software Developers?*. In Proceedings of the 42nd International Conference on Software Engineering (ICSE 2020).

Carmine Abate, Arthur Azevedo de Amorim, Roberto Blanco, Ana Nora Evans, Guglielmo Fachini, Catalin Hritcu, Tho Laurent, Benjamin C. Pierce, Marco Stronati, Andrew Tolmach. *When Good Components Go Bad: Formally Secure Compilation Despite Dynamic Compromise*. In Proceedings of 25<sup>th</sup> ACM Conference on Computer and Communications Security. Toronto, Canada, October 2018. (134 papers accepted out of 809 submissions; 9 cites in Google Scholar)

Andrew Post, Ana Nora Sovarel, James Harrison. *Abstraction-based Temporal Data Retrieval for a Clinical Data Repository*. In Proceedings of the American Medical Informatics Association Symposium. Chicago, IL, November 2007.

Ana Nora Sovarel, David Evans, Nathanael Paul. *Where's the FEEB?: The Effectiveness of Instruction Set Randomization*. In Proceedings of the 14<sup>th</sup> USENIX Security Symposium. Baltimore, MD, August 2005. (22 papers accepted out of 148 submissions; 200 cites in Google Scholar)

### Outreach Activities

FIRST LEGO League Jr. - Team Lead Coach/Mentor, 2018-2019 and 2019-2020 seasons

GeekGirl@UVa July 14 2018 - organizer.

Cville Math Circle (<http://cvillemathcircle.org/>) - cofounder and teacher, Feb 2016 - present.