

Ana Nora (Sovarel) Evans

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Education

School of Education and Human Development, University of Virginia, VA 2021 – present
Master of Teaching, degree expected May 2022
Awarded William C. Lowry Scholarship

Department of Mathematics, University of Virginia, Charlottesville, VA 2009 – 2012
Master of Science, degree awarded May 2014
Awarded Presidential Fellowship (2009–2013) from University of Virginia

Department of Computer Science, University of Virginia, Charlottesville, VA 2004 – 2006
Master of Computer Science, degree awarded August 2006

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

Certifications

High school and middle school Mathematics and Computer Science
Dual enrollment Mathematics and Computer Science

Teaching Experience

Student-Teacher - Monticello High School, Charlottesville, VA August 2021 - April 2022
January - April 2022 (full-time); August - November 2021 (part-time)
Assisted with all classroom activities, recorded problem solving demos, developed pre-assessments, formative and summative assessments, developed and delivered lessons for Math Analysis, Advanced Algebra II, Honors and Advanced Geometry, Computer Science 1. Materials available at <https://ananoraevans.org/job/>.

Math and Computer Science Tutor October 2021 - present
Tutored math and computer science online and in-person (over 80 hours).
Wyzant.com profile <https://www.wyzant.com/Tutors/VA/Charlottesville/9957760/>
Blue Ridge Boost (founder) <https://blueridgeboost.com/>

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

Teaching Assistant, University of Virginia Charlottesville

CS 4501 Robotics For Software Engineers Spring 2020
CS 4610 Programming Languages Fall 2019
MATH 7752 Algebra II Spring 2011
MATH 5651 Advanced Linear Algebra Fall 2010
CS101 Intro to Computer Science Fall 2004, Spring 2005
Held office hours and recitations, led problem solving sessions, reviewed homework solutions, graded homework and exams, developed and recorded a guest lectures, provided feedback on labs development, led design of labs.

Instructor - MATH 1140 Financial Mathematics, University of Virginia Fall 2011
Created and delivered the lectures, created and graded the homework and exams for forty students.

Teaching Assistant - Politechnica University of Bucharest Spring 2002 - Spring 2004
Held recitations and graded homework and exams for groups of 25 students for the following classes: *Algorithm Analysis, Distributed Programming, Operating Systems Design, Object Oriented Programming*.

Outreach Activities

FIRST LEGO League Jr. - Team Lead Coach/Mentor, 2018-2019 and 2019-2020 season
Led team meetings, taught programming concepts, participated in Expo meetings where the team presented their poster and Lego model.

GeekGirl@UVa, July 14 2018 - organizer.

Co-organized a Geek Girl Event at the University of Virginia, recruited activity leaders, greeted the participants and guided them to activities.

Cville Math Circle - cofounder and teacher, February 2016 - February 2019.

Held enrichment lessons to girls ages 3 to 7, developed materials and activities. More details available at <http://cvillemathcircle.org/>.

Other Work Experience

Research Assistant, Department of Computer Science, U. of Virginia (August 2016 – January 2021)

Research Programmer, Department of Public Health Sciences, U. of Virginia (August 2006 – June 2007)

Research Assistant, Department of Computer Science, U. of Virginia (June 2005 – July 2006)

Senior Java Engineer, Nobel, Bucharest, Romania (February-July 2004, full time)

Java Developer, AvantGuard Technologies, Dallas, Texas (July 2003 - July 2004, remote contractor)

Java Developer, Avalanche Mobile, Bucharest, Romania (August 2001 - February 2004, part time)

Java Programmer, Distinto S.R.L, Bucharest, Romania (July 2000 - July 2001, part time)

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). (129 papers accepted out of 617 submissions; 20 citations in Google Scholar).

Carmine Abate, Arthur Azevedo de Amorim, Roberto Blanco, Ana Nora Evans, Guglielmo Fachini, Catalin Hritcu, Theo Laurent, Benjamin C. Pierce, Marco Stronati, Andrew Tolmach. *When Good Components Go Bad: Formally Secure Compilation Despite Dynamic Compromise*. In Proceedings of 25th ACM Conference on Computer and Communications Security. Toronto, Canada, October 2018. (134 papers accepted out of 809 submissions; 25 citations 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 14th USENIX Security Symposium. Baltimore, MD, August 2005. (22 papers accepted out of 148 submissions; over 200 citations in Google Scholar)
