

# AMANDA L. NOLTE

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## EDUCATION

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**University of Delaware College of Education and Human Development** / Newark, DE 2020 – present  
Ph.D. in Education, Sociocultural and Community-Based Approaches Specialization

**Johns Hopkins University School of Education** / Baltimore, MD 2019  
Graduate-Level Non-Degree Coursework: Educating the Whole Child

**Gettysburg College** / Gettysburg, PA 2010  
B.A. in English & Philosophy, *magna cum laude*

**Advanced Studies in England** / Bath, England (Study Abroad) Summer 2009

## RESEARCH EXPERIENCE

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Computer Science for Delaware (CS4DE) 2021 – present

### Graduate Research Assistant

PIs: Chrystalla Mouza, Ed.D., Lori Pollock, Ph.D., & Rosalie Rolón-Dow, Ph.D.

- Designed and facilitated professional development about culturally responsive pedagogy and alignment of computational thinking strategies with content standards.
- Collected and analyzed data gathered from lesson plans, observations, artifacts, and interviews with CS4DE teacher participants and their students.
- Collaborated with PIs and research team members on research proposals, conference presentations, and journal articles.

Brave Community Workshop Study 2020 – 2022

### Graduate Research Assistant

PI: Janine de Novais, Ed.D.

- Reviewed existing literature about Brave Community and materials used in Brave Community Workshops.
- Recruited previous Brave Community Workshop participants to participate in study and conducted interviews with teachers regarding their experiences of the workshop.
- Analyzed teacher interview data gathered during teacher interviews.

National Council on Teacher Quality (NCTQ) / Washington, D.C. 2019 – 2020

### Research Analyst

- Researched educator preparation programs at public and private colleges and universities nationwide to assess the quality of teacher training for NCTQ's Teacher Prep Review.
- Evaluated data sources to determine relevance to rating of educator preparation programs.
- Analyzed available information to ascertain alignment with NCTQ's research-based standards and completed detailed ratings of program quality.

## CONFERENCE PROCEEDINGS

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Nolte, A., Mead, H., Mouza, C., Rolón-Dow, R., & Pollock, L. (2023). Integrating computational thinking within and across disciplines in the context of teacher professional development. In E. Langran, P. Christensen, & J. Sanson (Eds.), *Proceedings of the Society for Information Technology & Teacher Education International Conference* (pp. 2209-2214). New Orleans, LA, United States: Association for the Advancement of Computing in Education (AACE).

## CONFERENCE PRESENTATIONS

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Nolte, A. (2023, April 28). *Successes and challenges of a library-based equity initiative* [Paper presentation]. University of Delaware Steele Research Symposium, Newark, DE, United States.

Nolte, A., Coddling, D., Rolón-Dow, R., Mouza, C., & Pollock, L. (2023, April 18-21). From superficial to foundational: Integrating cultural relevance into computer science curriculum [Poster presentation]. NARST, Chicago, IL, United States.

Nolte, A., Mead, H., Mouza, C., Rolón-Dow, R., & Pollock, L. (2023, April 13-16). Examining instructional planning and implementation in the context of an integrated computer science professional development for elementary teachers [Poster presentation]. American Educational Research Association, Chicago, IL, United States.

Nolte, A., Mead, H., Mouza, C., Rolón-Dow, R., & Pollock, L. (2023, March 13-17). *Integrating computational thinking within and across disciplines in the context of teacher professional development* [Paper presentation]. Society for Information Technology and Teacher Education, New Orleans, LA, United States.

Nolte, A. (2022, April 29). K-12 Teachers' experiences of race talk in the classroom: "It's not just something we can be quiet about" (In progress) [Poster presentation]. University of Delaware Steele Research Symposium, Newark, DE, United States.

## TEACHING EXPERIENCE

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University of Delaware / Newark, DE

2021 – present

**Teaching Assistant: CISC 357 Engaging Youth in Computing**

Professor: Chrystalla Mouza, Ed.D. (Fall 2021)

Lori Pollock, Ph.D. (Spring 2022)

Margaret Birch, M.Ed. (Fall 2022 – present)

## K-12 INSTRUCTIONAL EXPERIENCE

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Turnaround Solutions, Inc. / Pensacola, FL 2014 – 2018

### **Educational Consultant & Mathematics Instructional Specialist**

- Worked as lead Mathematics Specialist on company's first full-time contract.
- Consulted with district and school administrators to identify structural barriers to student achievement and design solutions to improve student academic and social-emotional outcomes.
- Designed and facilitated professional development sessions about instructional design, culturally responsive pedagogy, academic and behavioral interventions, formative and summative data analysis, and other topics tailored to teacher needs.
- Developed curriculum for mathematics courses based on specific needs of student population, leading to improved proficiency and learning gains at all grade levels.

Fort Caroline Middle School / Duval County Public Schools / Jacksonville, FL 2013 – 2014

### **Mathematics Instructional Coach**

- Recruited for and completed highly selective district-wide Coaching Academy and subsequently selected to coach mathematics teachers at high needs Title I school.
- Worked with teachers to improve instruction and student outcomes via observation and feedback cycles, one-on-one planning meetings, student data analysis, department- and school-wide professional development, and additional interventions.
- Collaborated weekly with school leadership team to formally debrief and develop plans to address on-going teacher and student needs.
- Implemented district-mandated evaluation instrument to guide teachers in developing goals and achieving student learning gains and proficiency.

Jean Ribault Senior High School / Duval County Public Schools / Jacksonville, FL 2010 – 2013

### **Mathematics Teacher & Teach for America Corps Member**

- Accepted as one of 4,500 out of 46,000 applicants to serve in national service corps.
- Taught at Title I school, guiding students to above-average proficiency and learning gains and contributing to improvement of school's grade from 'F' to the first 'A' in school history.
- Collaborated with school-based instructional coach to rewrite curriculum and assessments for Algebra 1 and Geometry and consulted with feeder middle school to improve vertical alignment across grade levels.
- Trained colleagues in implementation of common assessments to measure student mastery of standards and analysis of collected quantitative data.

## HONORS AND AWARDS

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Fontana Family Graduate Tuition Scholarship	2020 – present
Honor Society of Phi Kappa Phi	Inducted 2022
Jean Ribault Senior High School Principal's Award: Math Teacher of the Year	Awarded 2013
Gettysburg College Departmental Honors in English	Awarded 2010
Gettysburg College Departmental Honors in Philosophy	Awarded 2010
Sigma Tau Delta, English Honors Fraternity	Inducted 2009
Gettysburg College Dean's List	2006 – 2010
Gettysburg College Presidential Scholar	2006 – 2010

## SERVICE

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Education Graduate Association, Officer	Spring 2021 – Fall 2022
Delaware Days, Graduate Student Volunteer	Spring 2021, 2022
CRSEA Annual Conference, Volunteer	Fall 2021

## PROFESSIONAL MEMBERSHIPS

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American Educational Research Association (AERA) Division G – Social Contexts of Education	2023 – present
Society for Information Technology & Teacher Education (SITE) SIG – Computational Thinking SIG – Critical Theory in Teaching and Technology SIG – Equity & Social Justice SIG – Instructional Design	2022 – present
American Educational Studies Association (AESA)	2022 – present
Critical Race Studies in Education Association (CRSEA)	2021 – present

## ADDITIONAL PROFESSIONAL EXPERIENCE

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Curriculum Writer / DCPS Curriculum & Assessment Writing Team / Jacksonville, FL  
Mentor Teacher / DCPS Mentoring & Induction for Novice Teachers / Jacksonville, FL  
Secondary Math Content Community Leader / Teach for America / Jacksonville, FL

## CERTIFICATIONS

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Florida Professional Teaching Certificate, Mathematics 6-12  
Duval County Public Schools (FL) Instructional Coach Certification  
Duval County Public Schools (FL) Mentor Teacher Certification