Neea Rusch

Curriculum vitae

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Education

2020–present	**PhD student in Computer Science**, *Augusta University*, Augusta, GA USA.
2014–2016	**Master of Science in Computer Science**, *Georgia Institute of Technology*, Atlanta, GA USA.
2011–2014	**Bachelor of Science in Computer Science**, *Augusta University*, Augusta, GA USA.

Teaching Experience

Augusta University	**CSCI 1301 - Principles of Computer Programming I**, *Instructor*. Taught in fall 2019, spring 2020, fall 2020, spring 2021, summer 2021, fall 2021.
	CSCI 1200 - Introduction to Computers and Programming, *Instructor*. Taught in spring 2019, summer 2019.

Publications

[2] Neea Rusch. "Formally Verified Resource Bounds Through Implicit Computational Complexity". In: *Companion Proceedings of the 2022 ACM SIGPLAN International Conference on Systems, Programming, Languages, and Applications: Software for Humanity*. SPLASH Companion 2022. Association for Computing Machinery, 2022, pp. 17–20. DOI: 10.1145/3563768.3565545.

[1] Clément Aubert, Thomas Rubiano, Neea Rusch, and Thomas Seiller. "mwp-Analysis Improvement and Implementation: Realizing Implicit Computational Complexity". In: *7th International Conference on Formal Structures for Computation and Deduction (FSCD 2022)*. Vol. 228. Leibniz International Proceedings in Informatics. Schloss Dagstuhl–Leibniz-Zentrum für Informatik, 2022, 26:1–26:23. DOI: 10.4230/LIPIcs.FSCD.2022.26.

Academic Service

PC Member	**Artifact Evaluation Committee (AEC)**.
APLAS	Asian Symposium on Programming Languages and Systems AEC, 2022.
ECOOP	European Conference on Object-Oriented Programming AEC, 2023.
ICFP	International Conference on Functional Programming AEC, 2022.
PLDI	Programming Language Design and Implementation AEC, 2022, 2023.
PPoPP	Principles and Practice of Parallel Programming AEC, 2023.

Talks & Presentations

2022-12-06	The SPLASH Doctoral Symposium (SPLASH'22), *University of Auckland, New Zealand*.
2022-06-20	28th International Conference on Types for Proofs and Programs (TYPES'22), *University of Nantes, France*.
2022-04-01	The 37th Annual Graduate Research Day – poster, *Augusta University, USA*.
2021-11-18	Laboratoire d'Informatique de Paris Nord (LIPN) seminar, *Université Sorbonne Paris Nord, France*.
2021-11-15	Inria Celtique research team seminar, *IRISA Rennes, France*.
2021-03-26	The 36th Annual Graduate Research Day, *Augusta University, USA*.

Summer & Winter Schools

2022 **Programming Languages Mentoring Workshop**, *PLMW @ PLDI 2022*, San Diego, CA, USA, June 13–14, 2022.

2021 **Static Analyses of Program Flows: Types and Certificate for Complexity**, *Dagstuhl Seminar 21453*, Germany, November 7–12, 2021.

2021 **Oregon Programming Languages Summer School**, *on Foundations of Programming and Security*, virtual, June 14–26, 2021.

2021 **Midlands Graduate School**, *in the Foundations of Computing Science*, virtual, April 12–16, 2021.

Awards

2022 **Student Research Program**, *awarded by Provost's office and the Translational Research Program of the Department of Medicine, Medical College of Georgia at Augusta University*, Fall'22.
$1,000 for dissertation research.

2022 **Programming Languages Mentoring Workshop scholarship**, *awarded by ACM SIGPLAN*.
To attend PLMW @ PLDI 2022 and the PLDI'22 conference, in San Diego, CA, USA.

2022 **Excellence in Research - Computer & Cyber Sciences**, *awarded by The Graduate School*.
$100 for presentation at Augusta University 37th Annual Graduate Research Day.

2021 **VMCAI 2022 Student Travel Fellowship**, *awarded by the VMCAI PC*.
$1,500 stipend for attending VMCAI'22 conference in Philadelphia, PA, USA.

2021 **Travel Funding**, *awarded by The Graduate School*.
$1,000 toward travel to the LIPN seminar in Paris, France.

2015 **Grace Hopper Scholarship**, *awarded by Georgia Institute of Technology*.
To attend Grace Hopper Celebration of Women in Computing GHC'15 conference in Houston, Texas.

2014 **Outstanding Computer Science Student Award**, *awarded by Augusta University*.
Awarded annually to one graduating student for academic excellence.

2013 **Savannah River Scholars Program (SRSP) Scholarship**, *awarded by Augusta University*.
$7,800 stipend funded by National Science Foundation.

University Service

2021–2023 **The Graduate School - Graduate Student Council**, *Augusta University*.
Representative of School of Computer and Cyber Sciences.

Work Experience

2020–2021 **Senior Consultant**, *Rural Sourcing Inc.*, Augusta, GA, web application development.

2018–2019 **Android Developer**, *TaxSlayer*, Augusta, GA, mobile application design and development.

2014–2018 **Software Developer**, *TaxSlayer*, Augusta, GA, web application design and development.

Languages

English, Finnish