

# Agustín Nolasco

## Curriculum Vitae

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### Personal Information

- Names: Franco Agustín
- Surname: Nolasco
- DNI: 42142489
- Date of Birth: 09/22/1999
- Place of Birth: Villa Mercedes, San Luis, Argentina
- Current Place: Río Cuarto, Córdoba, Argentina
- Address: Los Alerces 89
- Marital Status: Single

### Education

- 2024–Present **PhD. in Computer Science**,  
*National University of Córdoba, FAMAF, Córdoba*  
Ongoing
- 2019–2024 **Computer Science Licentiate**,  
*National University of Río Cuarto, Córdoba*  
Final Average Score: 9.88 out of 10
- 2019–2021 **Computing Analyst**,  
*National University of Río Cuarto, Córdoba*  
Final Average Score: 9.81 out of 10
- 2012–2018 **Electromechanical Equipments and Installations Technician**,  
*Technical School No.15 Ing. Agustín Mercáu, Villa Mercedes, San Luis*  
Final Average Score: 8.65 out of 10

### Employment History

- Mar. 2025–  
Present **Teaching Assistant**, *National University of Río Cuarto, Argentina*,  
Course: Design of Algorithms
- Ago. 2024–  
Mar. 2025 **Teaching Assistant**, *National University of Río Cuarto, Argentina*,  
Course: Algorithms and Data Structures
- Apr. 2024–  
Aug. 2024 **Student Teaching Assistant**, *National University of Río Cuarto, Argentina*,  
Course: Advanced Programming
- Mar. 2024–  
Aug. 2024 **QA Tester**, *Oliver Informatics*,  
Río Cuarto, Córdoba, Argentina
- Apr. 2023–  
Jan. 2024 **Grader**, *Guangdong Technion – Israel Institute of Technology, China*,  
Course: Introduction to Computer Science
- Apr. 2023–  
Jul. 2023 **Grader**, *Guangdong Technion – Israel Institute of Technology, China*,  
Course: Introduction to System Programming
- Apr. 2022–  
Sept. 2022 **Student Teaching Assistant**, *National University of Río Cuarto, Argentina*,  
Course: Design and Analysis of Algorithms

### Research Projects

- Dec. 2021–  
Present **“Optimizations to Symbolic Execution and Applications”**, *PICT 2019*,  
Director: Dr. Nazareno Aguirre,  
Position: Collaborator  
Funded by: National Agency for the Promotion of Research, Technological Development, and Innovation,  
through FONCyT
- Jan. 2020–  
Present **“Application of Constraint Solving Techniques to Software Validation and Verification”**,  
*PPI 2020-2022*,  
Director: Dr. Nazareno Aguirre,  
Position: Collaborator  
Funded by: Secretariat of Science and Technology, National University of Río Cuarto

## Scholarships

- Ago. 2024–  
Present **PhD. Scholarship**,  
*National Scientific and Technical Research Council (CONICET)*
- Sept. 2022–  
Aug. 2023 **EVC-CIN Scholarship 2021**,  
*Stimulation Scholarship for Scientific Vocations*

## Awards

- 2023–2024 **First Major National Flag Escort**,  
*National University of Río Cuarto*
- 2017–2018 **National Flag Bearer**,  
*Technical School No.15 Ing. Agustín Mercau*
- 2017 **Max Average Score of the Class**,  
*Technical School No.15 Ing. Agustín Mercau*  
Average Score 9.66 out of 10

## Courses

- Mar. 2025 **Advances in Automatic Software Testing**,  
dictated by Dr. Mike Papadakis, Río 2025 Summer School
- Mar. 2025 **Introduction to Input Grammar Fuzzing**,  
dictated by Dr. Andreas Zeller, Río 2025 Summer School  
Final Score: 10 out of 10
- Mar. 2025 **Analysis of mobile apps for quality and trustworthiness**,  
dictated by Dr. Alessandra Gorla, Río 2025 Summer School
- Feb. 2024 **Dynamic Modal Logics**,  
dictated by Dr. Raul Fervari and Dr. Carlos Areces, Río 2024 Summer School  
Final Score: 6 out of 10
- Feb. 2024 **Verification of Fault Trees**,  
dictated by Dr. Joost-Pieter Katoen, Río 2024 Summer School
- Aug. 2023 **Advanced Data Structures**,  
dictated by Dr. Conrado Martínez, ECI 2023  
Final Score: 10 out of 10
- Aug. 2023 **Fuzzing for Compiler Testing**,  
dictated by Dr. Guillermo Polito, ECI 2023  
Final Score: 9 out of 10
- Feb. 2023 **Modeling and Analyzing Concurrent Systems**,  
dictated by Dr. Thomas Noll, Río 2023 Summer School

- Feb. 2023 **Formal Approaches to Decision-Making under Uncertainty**,  
dictated by Dr. Arnd Hartmanns, Río 2023 Summer School
- Aug. 2022 **Introduction to APIs**,  
dictated by Dr. Guido De Caso, ECI 2022  
Final Score: 8 out of 10
- Aug. 2022 **Satellite Images Processing**,  
dictated by Dr. Rafael Grimson, ECI 2022  
Final Score: 7 out of 10
- Oct. 2019 **Software Testing**,  
dictated by Dr. Nazareno Aguirre, CACIC 2019  
Final Score: 10 out of 10
- 2011–2016 **English Academy**,  
*Superior Institute of English Language*, Villa Mercedes, San Luis

## Academic Activities

- Feb. 2024 **Student Volunteer**, *Río 2024 Summer School*
- Sept. 2023 **Participant**, *Argentine Programming Tournament*, UNRC 2023,  
Local position: 1st - National Position: 42nd
- Jun. 2023 **Student Judge**, *Student Teaching Assistant contest*, UNRC 2023
- Feb. 2023 **Student Volunteer**, *Río 2023 Summer School*
- Sept. 2022–  
Dec. 2022 **Research visit**, *University of Twente, The Netherlands*,  
in the context of the EU's Marie Skłodowska-Curie grant No. 101008233 (MISSION)
- Sept. 2022 **Speaker at JUPA Workshop**, *University Open Day*,  
Advanced Student of Computer Science
- Sept. 2022–  
Aug. 2023 **Departmental Counselor**, *Faculty: Student*  
○ DC - Authorities
- Aug. 2021–  
Present **Collaborating Student**, *Research Group*,  
FORMAL METHODS AND SOFTWARE ENGINEERING  
○ MFIS - People

## Workshops

- Mar. 2025 **FACAS - 2025**, *Twelfth Argentine Workshop on Fundamentals for the Automatic Analysis and Construction of Software*
- Mar. 2024 **FACAS - 2024**, *Eleventh Argentine Workshop on Fundamentals for the Automatic Analysis and Construction of Software*
- Mar. 2023 **FACAS - 2023**, *Tenth Argentine Workshop on Fundamentals for the Automatic Analysis and Construction of Software*
- Mar. 2022 **FACAS - 2022**, *Ninth Argentine Workshop on Fundamentals for the Automatic Analysis and Construction of Software*

## Articles

- [1] Renzo Degiovanni, Facundo Molina, Agustin Nolasco, Nazareno Aguirre, and Mike Papadakis. Specification inference for evolving systems, 2023. Pre-print.
- [2] Agustín Nolasco, Facundo Molina, Renzo Degiovanni, Alessandra Gorla, Diego Garbervetsky, Mike Papadakis, Sebastian Uchitel, Nazareno Aguirre, and Marcelo F. Frias. Abstraction-aware inference of metamorphic relations. *Proc. ACM Softw. Eng.*, 1(FSE), jul 2024.

## References

**Dr. Nazareno Aguirre,**  
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**Dr. Facundo Molina,**  
*Post-Doctoral Researcher,*  
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