

Curriculum Vitae

Personal information

Surname / First name(s)	MISTA, Claudio Agustín
Address	San Juan 669 (06-02), Rosario, Argentina
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GitHub	https://github.com/agustinmista
Nationality	Argentine
Date of birth	Dec 10 1991

Education and training

2017	DeepSpeec Summer School 2017 University of Pennsylvania, Philadelphia, United States
2012 - now	Master Degree in Computer Science Universidad Nacional de Rosario, Rosario, Argentina Grade average: 8.64 of 10.0 Remaining subjects: 2 and Master's thesis Expected graduation year: 2018
2013	Intensive Java Course Polo Tecnológico Rosario, Rosario, Argentina Course grade: 10 of 10
2011 - 2012	Electronic Engineer Degree (Incomplete) Universidad Nacional de Rosario, Rosario, Argentina

Internships

2016 - 2017	"Automatic Type-Driven Derivation of Random Value Generators for Common File Formats." Keywords: functional programming, Haskell, metaprogramming, software testing, fuzzing, security bugs discovering. Supervised by Gustavo Grieco and Martín Ceresa at CIFASIS.
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Publications

2017	G. Grieco, M. Ceresa, A. Mista, P. Buiras: <i>"QuickFuzz Testing for Fun and Profit"</i> Journal of Systems and Software (link to pre-print)
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Software Development

QuickFuzz	An experimental grammar fuzzer written in Haskell using QuickCheck.
mdviewer	Minimalistic Markdown viewer/converter written in Haskell.

Languages

Spanish	Mother tongue
English	Professional working proficiency

Computer Skills

Programming Languages	Haskell, Java, Python, C/C++, R
Specification Languages	Z, CSP, TLA+
Proof Assistants	Coq, Z/Eves
Software Versioning Systems	Git, Subversion
Operating Systems	GNU/Linux, macOS, Windows

Academic Interests

Theory of Programming Languages	Functional Programming, Type Theory, Domain Specific Languages, λ -calculus.
Software Security	Automatic Software Testing, Data Flow Analysis.

Courses

Master's Degree in Computer Science	
First Year	Algebra and Analytic Geometry I (7)
	Algebra and Analytic Geometry II (7)
	Mathematical Analysis I (7)
	Mathematical Analysis II (9)
	Computer Programming I (10)
Second Year	Computer Programming II (9)
	Linear Algebra (6)
	Data Structures and Algorithms I (9)
	Formal Languages and Computability (8)
	Computer Architecture (9)
Third Year	Complementary Mathematics I (10)
	Computer Logic (8)
	Operating Systems I (10)
	Data Structures and Algorithms II (8)
	Probability and Statistics (7)
Fourth Year	Programming Languages Analysis (8)
	Computer Networking (10)
	Physical Models (10)
	Databases Theory (10)
	Software Engineering I (8)
	Software Engineering II (9)
	Introduction to Artificial Intelligence (9)
	Complementary Mathematics II (8)
	Operating Systems II (10)
	Software Security II (10)

Additional Information

Awards	Bicentennial scholarship to the highest high school grade student, 2010.
Personal interests	Science Fiction, Electronics, Gastronomy.