Curriculum Vitae

Personal information

Surname / First name(s)	**MISTA, Claudio Agustín**
Address	San Juan 669 (06-02), Rosario, Argentina
Telephone	+549(3447)430762
Email	amista@dcc.fceia.unr.edu.ar
GitHub	`https://github.com/agustinmista`
Date of birth	Dec 10 1991

Education and training

2012 - now — **Master Degree in Computer Science (Undergraduate)**
Universidad Nacional de Rosario, Rosario, Argentina
Grade average: 8.59 of 10.0
Remaining subjects: 6 and Master's thesis
Expected graduation year: 2017

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.

Publications

Journals — G. Grieco, M. Ceresa, A. Mista, P. Buiras:
"QuickFuzz Testing for Fun and Profit"
Journal of Systems and Software
Under revision (link to pre-print)

Software Development

QuickFuzz — An experimental grammar fuzzer in Haskell using QuickCheck.

Languages

Spanish — **Mother tongue**

English — Professional working proficiency

Portuguese — Limited working proficiency

Computer Skills

Programming Languages	Haskell, Java, Python, C/C++
Specification Languages	Z, CSP, Statecharts, TLA+
Proof Assistants	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, Cryptography.
Compilers	Embedded Hardware Compilers, Compiler Optimizations.

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)
	Computer Programming II (9)
Second Year	Linear Algebra (6)
	Data Structures and Algorithms I (9)
	Formal Languages and Computability (8)
	Computer Architecture (9)
	Mathematical Complements I (10)
	Computer Logic (8)
Third Year	Operating Systems I (10)
	Data Structures and Algorithms II (8)
	Probability and Statistics (7)
	Programming Languages Analysis (8)
	Computer Networking (10)
	Physical Models (10)
	Databases Theory (10)
Fourth Year	Software Engineering I (8)
	Introduction to Artificial Intelligence (9)
	Operating Systems II (10)

Additional Information

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