Curriculum Vitae

Personal information

Surname / First name(s)	**MISTA, Claudio Agustín**
Address	San Juan 669 (06-02), Rosario, Argentina
Telephone	+54 9 3447 430 762
Email	amista@dcc.fceia.unr.edu.ar
GitHub	`https://github.com/agustinmista`
Nationality	Argentine
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

Under revision

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

Software Development

QuickFuzz	An experimental grammar fuzzer in Haskell using QuickCheck.
BIM	Haskell Basic Image Manipulation library.
PyAudioSelector	GTK+ AppIndicator to route PulseAudio audio sources to output devices.

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.