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: 8.58 of 10.0
Remaining subjects: 5 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 written in Haskell using QuickCheck.
mdviewer	Minimalistic Markdown viewer/converter written in Haskell.
BIM	Basic Image Manipulation library written in Haskell.

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)
	Complementary Mathematics 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)
	Software Engineering II (9)
	Introduction to Artificial Intelligence (9)
	Complementary Mathematics II (8)
	Operating Systems II (10)

Additional Information

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